CATALOG NO. 58

MUTUAL HARDWARE

CORPORATION

Theatrical Hardware

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THEATRICAL HARDWARE

CATALOG NO. 58

£36

MUTUAL HARDWARE CORPORATION

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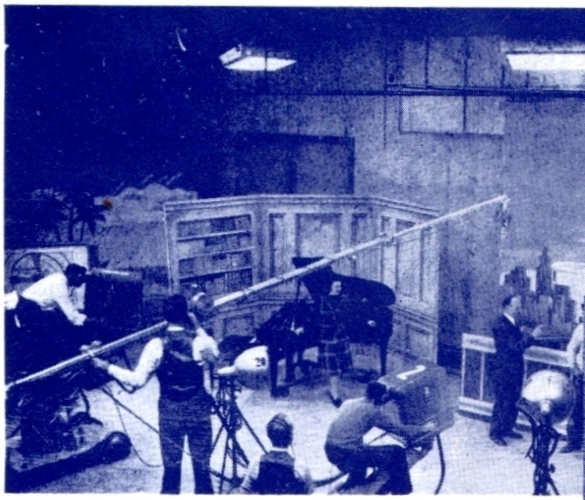

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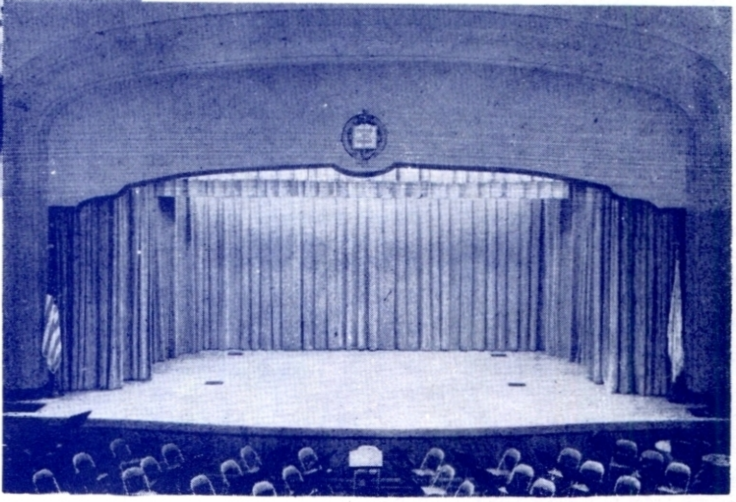

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All shipments F. O. B. New York City, N. Y., with freight allowed on orders of 300 pounds or more. Responsibility for all goods in transit ceases when accepted by the carriers, in good condition.

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Prompt service and prompt shipments are probably more important in the theatrical industry than in any other field. We will therefor endeavor to ship all orders the same day they are received.

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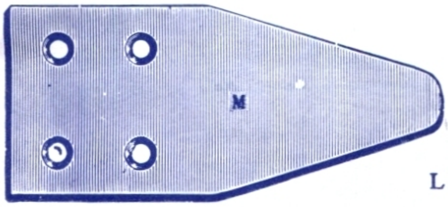


Fig. 2000

LASHING CLEAT

The flat steel lashing cleat is used for lashing flats together. The sharp steel edges are broken to prevent cutting the lashline.
Size- 2 in. x 4 1/2 in. Packed 100 per box.

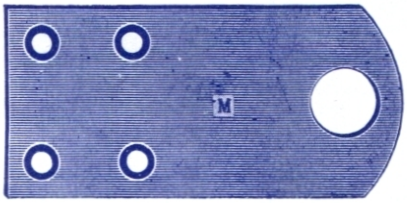


Fig. 2010

LARGE

BRACE CLEAT

The large brace cleat is fastened to standard 3 inch side rails of theatrical flats. Used to receive brace hook end of stage brace.
Size- 2 in. x 4 1/2 in. Packed 100 per box.

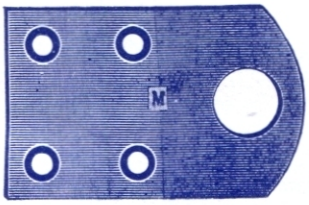


Fig. 2015

SMALL BRACE CLEAT

The small brace cleat is fastened to side rails smaller than 3 inches. Used to receive brace hook end of stage brace.
Size- 2 in. x 3 1/2 in. Packed 100 per box.

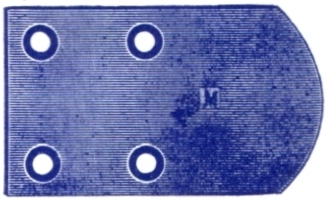


Fig. 2020

JOINING CLEAT

The joining cleat is used to assure alignment of two or more flats. Also used when flats join at any angle to prevent one flat from passing in back of the other.
Size- 2 in. x 3 1/2 in. Packed 100 per box.

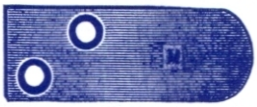


Fig. 2030

STOP CLEAT

The stop cleat is used on door or cabinet frames to eliminate the necessity of wood stops. It can also be used for the alignment of two flats.
Size- 1 in. x 2 3/4 in. Packed 100 per box.

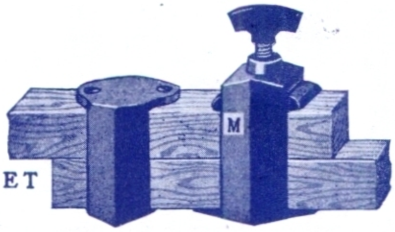


Fig. 2033

BRACE CLAMP SET

The brace clamp set is used by those who desire to repair or build their own stage braces. It is made of the finest galvanized welded steel.
Packed 1 set per box.

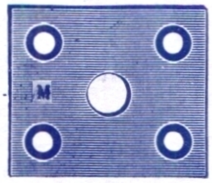


Fig. 2040

BOLT PLATE

The bolt plate is used as a reenforcing plate to prevent the heads and nuts of bolts from pulling thru the lumber.
Size- 2 in. x 1¾ in x 3/8 in. hole. Pkd. 100 per box.

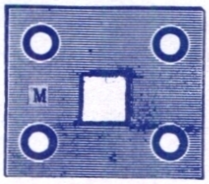


Fig. 2042

SQUARE HOLE BOLT PLATE

The square hole bolt plate is made for use with 3/8 inch carriage bolts. The square hole in the plate fits the square hub on the bolt. The bolt head is then permanent and cannot turn.
Size- 2 in. x 1¾ in. x 7/16 in. square hole
Pkd. 100 per box.

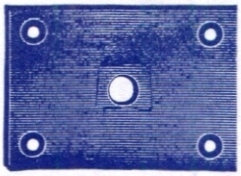


Fig. 2045

THREADED BOLT PLATE

The threaded bolt plate is made to be used with a 3/8-16 thread bolt. It can be surface mounted or mortised into the stage or platform.
Size- 3½ in. x 2 in. x 1/4 in. Pkd. 50 per box.

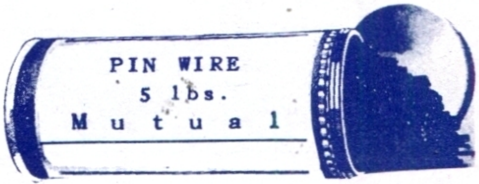


Fig. 1416

STEEL PIN WIRE

Pin wire is widely used by the professional and amateur stage carpenter to pin backflaps and straphinges. The soft galvanized annealed wire can readily be pulled thru the hinge joint when striking a set.
Size- 6 in. x 13 ga. Packed 5 lb pkgs. & 50 lb bulk.

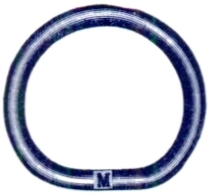


Fig. 2050

WELDED DEE RING

The welded dee ring has many uses in the theatrical industry. The ring is firmly welded and used with a dee ring plate.
Size- ¼ in. steel wire x 2 in. inside diameter Pkd. 100 per box.

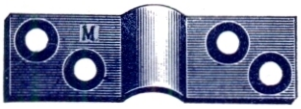


Fig. 2060

DEE RING PLATE

The dee ring plate firmly holds the welded dee ring in place. Dee rings and plates are must items for a scenic builder or carpenter.
Size- 3 in. x 3/4 in. Packed 100 per box.

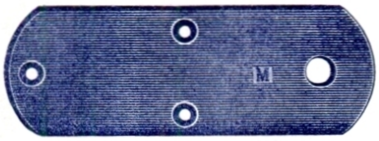


Fig. 2070

SMALL CEILING PLATE

The small ceiling plate does not have the ring or staple attached, but is used to fasten the lines to a small or light canvas flat used as a ceiling.
Size- 2 in. x 6 in. Packed 50 per box.

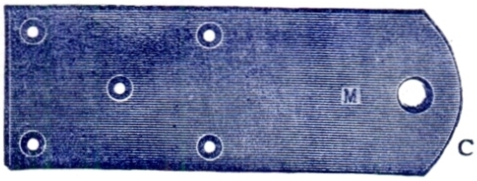


Fig. 2080

LARGE

CEILING PLATE

The large ceiling plate does not have the ring or staple attached, but is used to fasten the lines to a large or heavy canvas flat used as a ceiling
Size- 2½ in. x 7 in. Packed 50 per box.

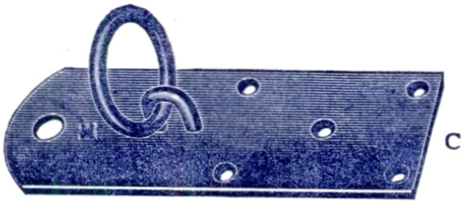


Fig. 2090

CEILING PLATE WITH RING

The ceiling plate with ring has the advantage of staple and ring attached. It is used on the down stage side of ceilings and provides the best all around method of fastening securely.
Size- 2½ in. x 7 in. Packed 50 per box.

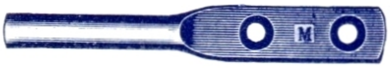


Fig. 2100

ROUND LINE CLEAT

The round line cleat is the most widely used cleat on theatrical flats. This cleat is used to lash the flats together. Can be applied at any angle on the rails of the flat.
Size- 4 in x 3/8 in. Packed 100 per box.

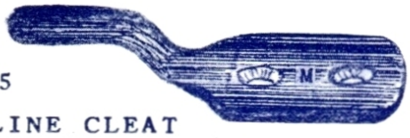


Fig. 2105

OFFSET ROUND LINE CLEAT

The offset round line cleat is designed to be used either on the surface or edge of the flat rails. A versatile cleat similar to the round line cleat, except with offset.
Size- 3½ in. x 3/8 in. Packed 100 per box.

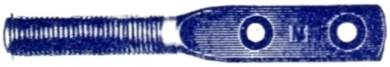


Fig. 2108

THREADED BOX BOLT

The threaded box bolt is similar to the round line cleat, however it is threaded with a 3/8-16 thread and is used for many types of fastenings.
Size- 4 in. x 3/8 in. Packed 100 per box.

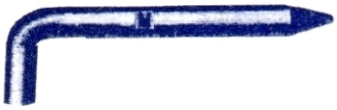


Fig. 2110

HEAVY HINGE PIN

The heavy hinge pin is used for pinning heavy strap hinges. The fit is snug and eliminates all play. One end is pointed to assure proper alinement.
Packed 100 per box.

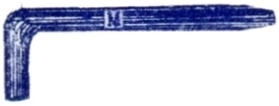


Fig. 2111

LIGHT HINGE PIN

The light hinge pin is used for pinning light strap hinges. The fit is snug and eliminates all play. One end is slightly tapered.
Packed 100 per box.

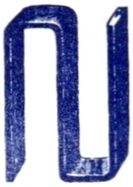


Fig. 2120

BATTAN HOOK

The battan or 'S' hook is used to stabilize two or more flats. It is designed to fit a 7/8 x 3 inch wooden battan.
Size- 3 in. x 7/8 in. Packed 50 per box.

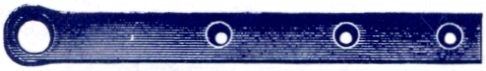


Fig. 2130

STRAIGHT FOOT IRONS

The straight foot iron is used on the bottom of jacks to provide a method of pinning down flats.
Size- 10 in. x 1 in. x 1/4 in. Pkd. 50 per box.

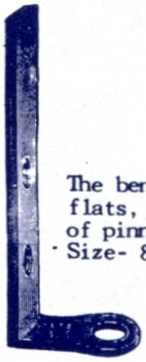


Fig. 2135

BENT FOOT IRON

The bent foot iron is used on the side rails of flats, jacks or platforms to provide the method of pinning down.
Size- 8 in. x 1 in. x 1/4 in. Pkd. 50 per box.

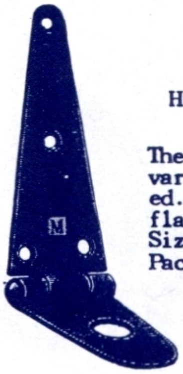


Fig. 2142

HINGED FOOT IRON

The hinged foot iron is used wherever a variable angle for pinning down is needed. Can be used on platforms, jacks or flats.
Size- 6 in. upright x 5 in. foot.
Packed 10 per box.

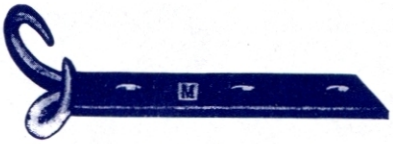


Fig. 2132

BRACE HOOK

The brace hook is used by those who desire to repair or build their own stage braces. Forged from the finest open hearth steel.
Size- 8 in. x 1 in. x 1/4 in. Packed 10 per box.

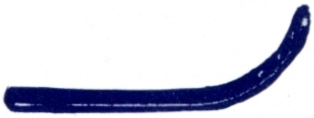


Fig. 2332

ROCKER HEEL

The rocker heel proves superior to the old style heel because it gives the choice of three different positions, one of which is sure to fill the bill, thereby eliminating trouble due to faulty angle of heel.
Size- 8 in. x 1¼ in. x 1/4 in. Packed 10 per box

All cleats, foot irons, brace hooks, etc., uses 7/8 No. 9 flat head steel wood screws unless it is listed to the contrary.

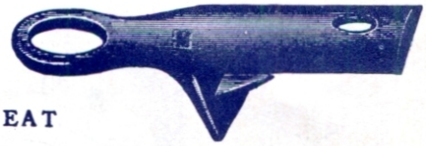


Fig. 2169

EYE BRACE CLEAT

The eye brace cleat is designed similar to Fig. 2439 and is used by those who prefer a single screw brace cleat. Quickly and easily attached in the same simple manner.
Size- 2 in. x 5/8 in. Packed 100 per box.

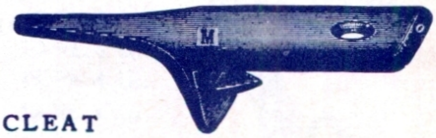


Fig. 2439

POINTED LASH CLEAT

The pointed lash cleat is the mate to the lashline eye cleat and is applied in the same simple manner.
Size- 2 in. x 5/8 in. Packed 100 per box.

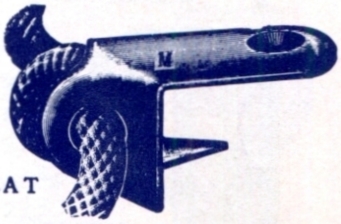


Fig. 2739

LASHLINE EYE CLEAT

The lashline eye cleat is the starting cleat to anchor the lashline. The design of this cleat allows a simple method for attaching to flats and is easily adjusted by one screw. It cannot mar or scratch the scenery when moving or stacking.
Size- 2 in. x 5/8 in. Packed 100 per box.

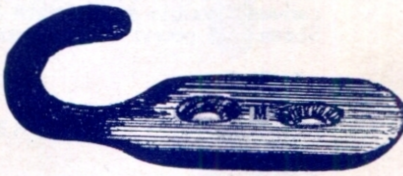


Fig. 2939

LASH HOOK CLEAT

The lash hook cleat is a very versatile cleat for the construction of theatrical scenery. It is mainly used on the edge side of the flat rail for the purpose of tying off. It does not project beyond the flat rail, therefore cannot cause damage when flats are stacked.
Size- 2 in. x 5/8 in. Packed 100 per box.

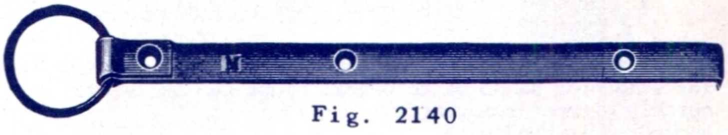


Fig. 2140

HANGING IRON

The long hanging iron is primarily designed as the bottom iron on the side rail of the flat, however, many professional scenic builders prefer using this iron throughout. The bent lip is formed to a chisel edge to dig firmly into the side rail.
Size- 13 in. x 3/4 in. x 1/4 in. Pkd. 50 per box.

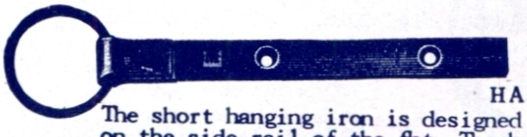


Fig. 2145

HANGING IRON

The short hanging iron is designed as the top iron on the side rail of the flat. The heavy drop-forged ring is firmly held in place by a large rivet.
Size- 7½ in. x 1 1/8 in. x 3/16 in. Pkd. 50 per box.

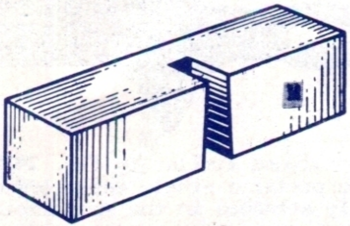
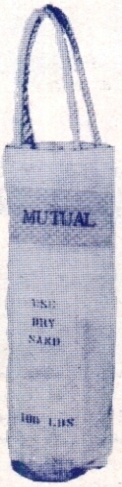


Fig. 2005

SCENERY WEIGHT

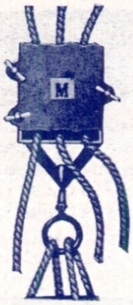
Our scenery weight is specially designed to weigh down flats or sets. The slot is made to fit over a standard scenery jack.
Size- 3 in. x 3 in. x 12 in. Weight 27 pounds.
Packed individually.



CANVAS SANDBAGS

Fig. No.	Capacity
Fig. 2021 -	25 pounds
Fig. 2022 -	50 pounds
Fig. 2023 -	75 pounds
Fig. 2024 -	100 pounds
Fig. 2025 -	150 pounds
Fig. 2026 -	200 pounds
Fig. 2027 -	300 pounds
Fig. 2028 -	400 pounds
Fig. 2029 -	500 pounds

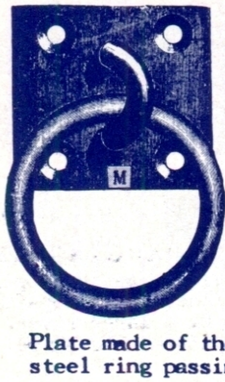
Our sandbags are made from the finest grade of heavy canvas, double sewn, with rope re-enforcements.
Sizes- 25 pound to 500 pounds.



EASY TRIM CLAMPS

Fig. No.	Capacity
Fig. 2011	3 Lines
Fig. 2012	4 Lines
Fig. 2013	5 Lines

The easy trim clamp provides an efficient and quick method for attaching sandbags to drops. Drops can be trimmed very quickly without removing the bag.
Packed individually.

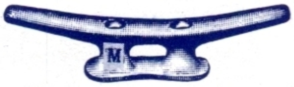


RING ON PLATE

Fig. No.	Ring Size	Plate Size
Fig. 2016	2 x 5/16	2 x 2
Fig. 2017	3 x 5/16	2 x 2

Packed 10 per box

Plate made of the finest wrought steel with a welded steel ring passing thru the staple.



OPEN BASE CLEAT

Fig. No.	Length	Packed
Fig. 2401	6 in.	5 per box
Fig. 2402	12 in.	1 per box

The open base cleat is a utility cleat used for all types of lashing. Available in two sizes. Small size used for lash or trick line. Large size for manila rope.

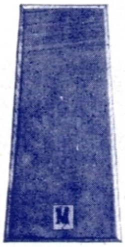


Fig. 2008

SCENERY KEYSTONE

The scenery keystone is made of three ply profile and is used to re-enforce the center rail of flats.
Size- 8 in. x 4 in. x 3 in. Packed 50 per box

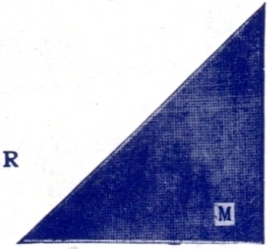


Fig. 2009

SCENERY CORNER

The scenery corner is made of three ply profile and is used to re-enforce each corner of the flat.
Size- 10 in. x 10 in. x 14 in. Packed 50 per box.

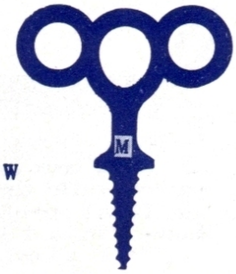


Fig. 2006

LIGHT STAGE SCREW

A light strong stage screw made of malleable iron with a hand ground double thread. The double thread provides an easy and speedy insertion, yet assures long life.
Packed 10 per box.

Fig. 2007

HEAVY STAGE SCREW

The heavy stage screw is made of strong malleable steel with a hand ground double thread. The double thread, an extra Mutual feature, provide easy and speedy insertion yet assures a long usage with genuine security.
Packed 10 per box.

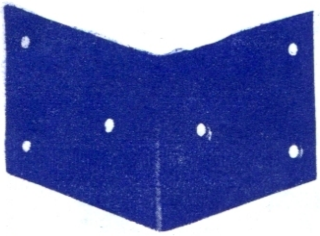


Fig. 2150

SMALL BOX CORNER

The small box corner is used on the corners of traveling boxes, platforms, etc. It is made of wrought steel. Three screw holes on each side.
Size- 3 in. x 3 in. x 2½ in. Packed 50 per box.

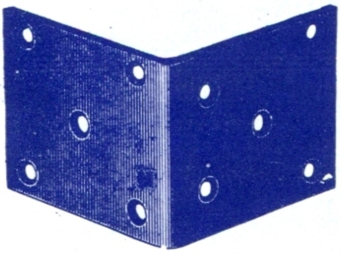


Fig. 2155

LARGE BOX CORNER

The large box corner is used on the corners of heavy boxes and traveling cases. It is made of wrought steel. A heavy corner iron with five screw holes on each side.
Size- 3½ in. x 3½ in. x 3 in. Packed 50 per box.

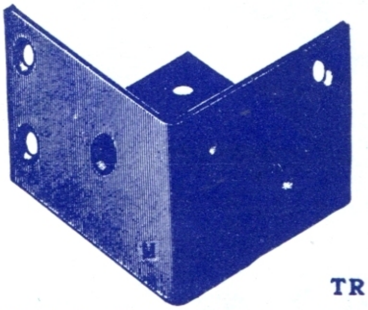


Fig. 2158

TRIWAY BOX CORNER

The triway box corner has the advantages of three sides with three screw holes per side. It is used to secure a corner on practically any type of box or crate.
Size- 2½ x 2½ x 2½

Size- 2½ in. x 2½ in. x 2½ in. Packed 50 per box.

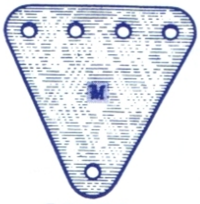


Fig. No.	Capacity
Fig. 2046	2 Lines
Fig. 2047	3 Lines
Fig. 2048	4 Lines
Fig. 2049	5 Lines

STEEL PLATE CLEWS

The steel plate clew furnishes an easy method of fastening sandbags to the lines.

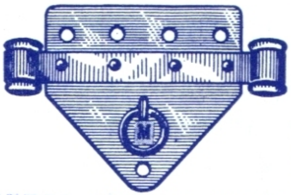
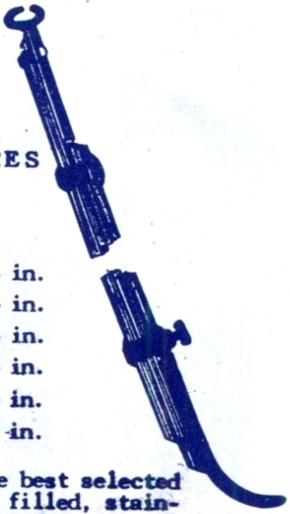


Fig. No.	Capacity
Fig. 2018	3 Lines
Fig. 2019	4 Lines

STEEL PLATE CLEW WITH WIRE GUIDES

The steel plate clew with wire guides is normally used with a counterweight arbor. The steel plate furnishes an easy method of fastening the lines to each counterweight arbor.
Packed individually



EXTENSION STAGE BRACES

Fig. No.	Capacity Closed	Capacity Open
Fig. 2052	4 Ft.	6 Ft. 4 in.
Fig. 2053	5 Ft.	8 Ft. 4 in.
Fig. 2054	6 Ft.	10 Ft. 4 in.
Fig. 2055	8 Ft.	14 Ft. 4 in.
Fig. 2056	10 Ft.	18 Ft. 4 in.
Fig. 2057	12 Ft.	22 Ft. 4 in.

Our stage braces are made of the best selected timber, thoroughly seasoned, oil filled, stained and varnished. Made in six different sizes to suit all needs.

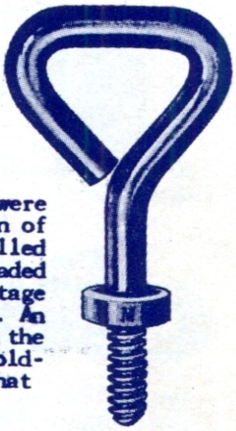


Fig. 2250

IMPROVED STAGE SCREW

The new Improved Stage Screw & Plug were developed to eliminate the destruction of stage floors. A 9/16 inch hole is drilled into stage floor to accomodate a threaded Stage Plug. A vise type thread on Stage Screw allows quick and easy insertion. An unused plug can easily be removed and the hole filled with a 5/8 inch dowel. Holding power is approximately 5 times that of old style Stage Screw.
Packed 25 per box.

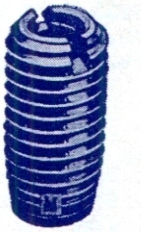


Fig. 2255

IMPROVED STAGE SCREW PLUG

The new Improved Stage Screw Plug is designed to be used with the Improved Stage Screw. See explanation under Fig. 2250.
Packed 25 per box.

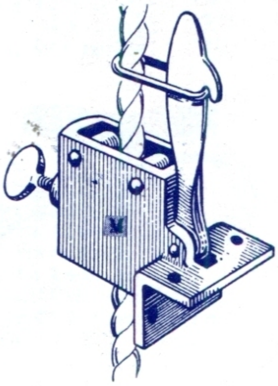


Fig. 2032

SAFETY ROPE LOCK

The safety rope lock is a quick acting positive clamp used with endless lines and counterweight systems. It is made of a heavy cast iron body, dogs and handle with an adjusting thumb screw. Will clamp 5/8 to 3/4 rope.
Packed individually

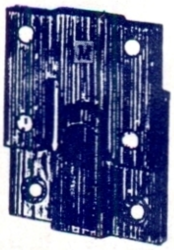


Fig. 2521

LARGE FLUSH HANGER

Made of sturdy cold-rolled steel, featuring a streamlined interlocking action scientifically designed to support heavy loads. Each piece is the same, thereby eliminating a male hook and female loop.
Size- 1¾ in. x 1½ in.
Packed- 100 pieces per box

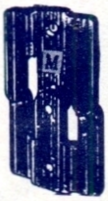


Fig. 2523

SMALL FLUSH HANGER

Similar to Fig. **2521** except smaller in pattern and uses only 2 No. 3 x ¾ Flat head wood screws.
Size- 1 in. x 1 in.
Packed- 100 pieces per box.

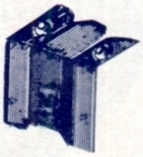


Fig. 2522

LARGE OFFSET HANGER

Designed to be used with Fig. 2521, Flush Hanger. Offset hanger is bent to a 90° angle and is easily interlocked with the flush hanger.
Size- 1½ in. x ¾ in. x ¾ in.
Packed- 100 pieces per box

Fig. 2524

SMALL OFFSET HANGER

Similar to Fig. 2522 except to be used with the Small Flush Hanger, Fig. 2523 The offset is a 90° angle. A versatile hanger which readily interlocks with the Fig. 2523 Small Flush Hanger.
Size- 1 in. x ½ in. x ½ in.
Packed 100 pieces per box.

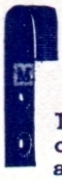


Fig. 2200

SMALL PICTURE HOOK

The small picture hook is bent from the finest cold-rolled steel and will provide support for a very heavy load. Holes are drilled for a No. 5 x ¾ flat head steel wood screw.
Size- 3/8 in. x 2¼ in.
Packed 100 pieces per box.

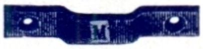


Fig. 2201

SMALL PICTURE SOCKET

The small picture socket will receive the small picture hook. Holes are drilled for a No. 5 x ¾ flat head steel wood screw.
Size- 3/8 in. x 2 in.
Packed 100 pieces per box

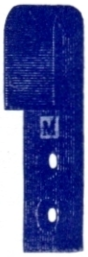


Fig. 2220

MEDIUM PICTURE HOOK

The medium picture hook is bent from the finest cold-rolled steel and will provide support for a very heavy load. Holes are drilled for a No. 5 x ¾ flat head steel wood screw.
Size- 1/2 in. x 2¼ in.
Packed 100 pieces per box.

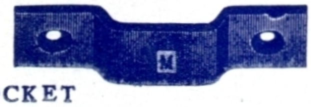


Fig. 2221

MEDIUM PICTURE SOCKET

The medium picture socket will receive the medium picture hook. Holes are drilled for No. 5 x ¾ in. flat head steel wood screws.
Size- 1/2 in. x 2 in.
Packed 100 pieces per box.

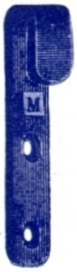


Fig. 2160

LARGE PICTURE HOOK

The large picture hook is bent from the finest cold-rolled steel. It is made with round ends which help find the socket. Holes are made for No. 8 x ¾ inch flat head steel wood screws.
Size- 3/4 in. x 2½ in.
Packed 100 pieces per box.

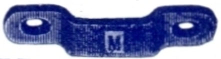
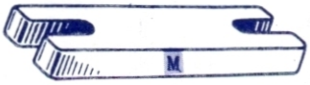


Fig. 2161

LARGE PICTURE SOCKET

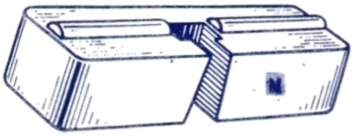
The large picture socket will receive the large picture hook. Holes are drilled for a No. 8 x ¾ flat head steel wood screw.
Size- 3/4 in. x 2½ in.
Packed 100 pieces per box.

Fig. No.	Pounds
Fig. 2222	9 lbs.
Fig. 2223	18 lbs
Fig. 2224	27 lbs



COUNTERWEIGHT
Slip Type

Fig. No.	Pounds
Fig. 2227	7 lbs.
Fig. 2228	14 lbs.
Fig. 2229	21 lbs.



COUNTERWEIGHT
Tee Type

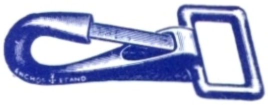


Fig. 2340

RIGID EYE STRAP SNAP

Made of malleable iron. One end has loop eye for strap and the other has flat spring eye. Nickel plated finish.

Size No.	1	2	3	4
Length of Loop Eye, In.	½	¾	1	1½
Length Overall, Inches	2¾	2¾	3	3¼
Packed Per Box	50	50	50	50

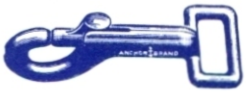


Fig. 2341

RIGID EYE STRAP BOLT SNAP

Made of malleable iron. One end has loop eye for strap and the other has sliding bolt eye with a covered brass coil spring. Nickel plated finish.

Size No.	1	2	3
Length of Loop Eye, In.	7/8	1	1½
Length Overall, In.	3-1/8	3-1/4	3-5/8
Packed per Box	25	25	25

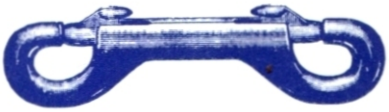


Fig. 2162

DOUBLE END BOLT SNAP

Made of malleable iron. Both ends have sliding bolt with covered brass coil springs. Length overall is 4 inches. Nickel plated finish. Packed 50 per box.

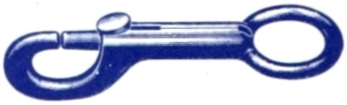


Fig. 2427

ROPE SNAP

Made of malleable iron. One end has a closed 5/8" eye and the other a sliding bolt with covered brass coil spring. Length overall- 3½", Nickel plated finish. Packed 50 per box.

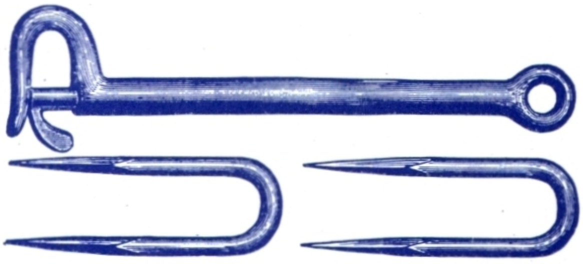


Fig. 2444

SAFETY HOOK & STAPLE

Made of malleable iron. One end has fast eye and the other a sliding bolt snap with a brass covered coil spring. Overall length is 6". Nickel plated finish. Packed 10 per box.

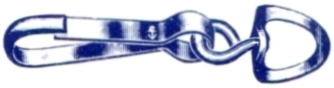


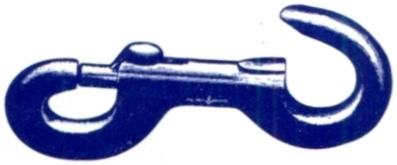
Fig. 2734

SWIVEL LEAD SNAP

Made of flat spring steel. One end has closed swivel eye and the other a flat spring eye. Overall length - 2¾ inches, diameter of eye- 3/8". Nickel plated finish. Packed 100 per box.

Fig. 2231

BOLT CHAIN SNAP



Made of malleable iron. One end has open eye and the other has sliding bolt eye with a brass covered coil spring. Diameter of eye is 3/8", Length overall is 3½". Nickel plated finish. Packed 50 per box.

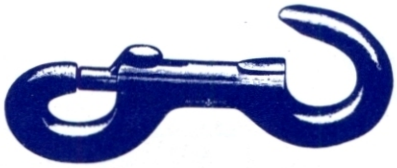


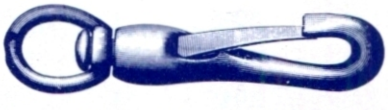
Fig. 2232

BOLT CHAIN SNAP

Similar to Fig. 2231 except diameter of eye is ½ inch and overall length is 4¼". Packed 50 per box.

Fig. 2437

SWIVEL EYE SNAP



Made of malleable iron. One end has 3/8" swivel eye and the other a flat spring eye. Length overall is 2½ inches. Nickel plated finish. Packed 100 per box.

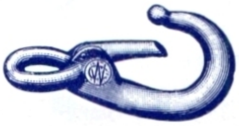


Fig. 3249

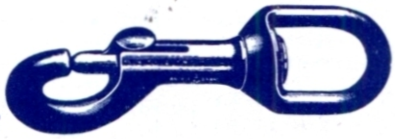
HEAVY DUTY SNAP

Made of the finest drop forged steel with a heavy galvanized coating. One end has a large fast eye and the other a large hook type eye with heavy snap spring.

Size No.	1	2	3	4	5
Eye Diameter	5/8	3/4	3/4	7/8	1-1/8
Length Overall	2-3/4	3-1/4	3-7/8	4-1/8	4-7/8
Hook Can Swallow	5/16	3/8	1/2	5/8	3/4
Packed per Box	10	10	10	10	10

Fig. 2225

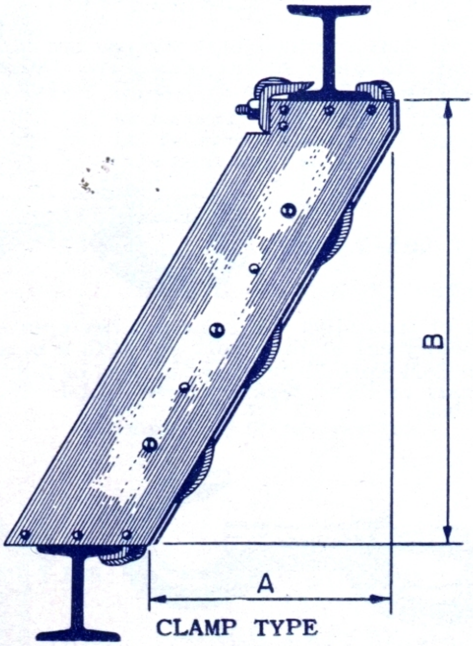
SWIVEL BOLT SNAP

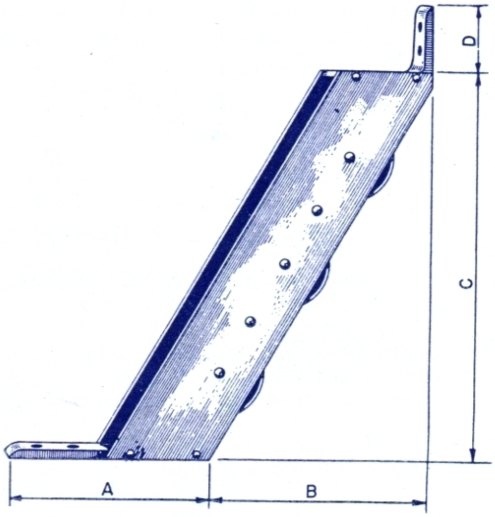


Made of malleable iron. One end has closed swivel eye and the other a sliding bolt with brass covered coil spring. Diameter of eye is 5/8" and overall length is 3¼". Nickel plated finish. Packed 50 per box.

MOVABLE STEEL HEAD BLOCKS

Bronze Bearings - Standard Mountings





CLAMP TYPE

Figure Number	No. of Sheaves	Dia. of Sheaves	Dimensions A	Dimensions B
6035	3	6"	13-3/4"	25-1/8"
6045	4	6"	17-7/8"	31-3/4"
8035	3	8"	17-1/2"	31"
8045	4	8"	23"	40"

Standard clamp will grip from 5-1/2" to 7-1/4". Can also be supplied to grip any specified dimension upon request.

Headblocks can be supplied with extra sheave on one side for use with counterweight systems, at a slight extra charge.

Above sheaves are for use with 5/8" rope or 1/4" steel cable.

SCREW HOLE END TYPE

Figure Number	No. of Sheaves	Dia. of Sheaves	Dimensions A	B	C	D
6034	3	6"	10¼	14¼	24¾	3¾
6044	4	6"	10¼	18¼	32	3¾
6054	5	6"	10¼	26	37	3¾
8034	3	8"	14¼	17¾	30½	5¾
8044	4	8"	14¼	23	39½	5¾

Headblocks can be supplied with extra sheave on one side for use with counterweight systems, at a slight extra charge.

Above sheaves are for use with 5/8" rope or 1/4" steel cable.

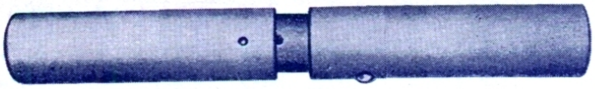


Fig. 840

PIPE BATTENS

Steel pipe battens with inside sleeve splice. Battens can be formed to any desired curve or radius for cycloramas, etc.

Standard Pipe Size...	1"	1¼"	1½"	2"
Standard Length.....	21'	21'	21'	21'

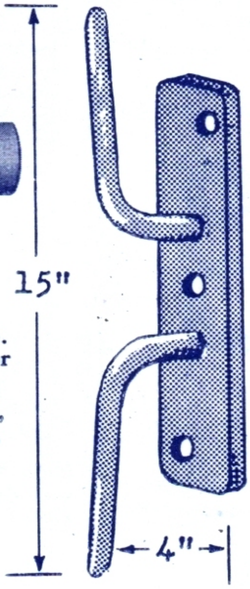


Fig. 135

HEAVY DUTY WALL CLEAT

Heavy forged steel cleat, large enough to accommodate as many as five 5/8" diameter manila ropes.

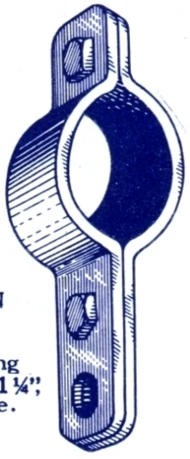
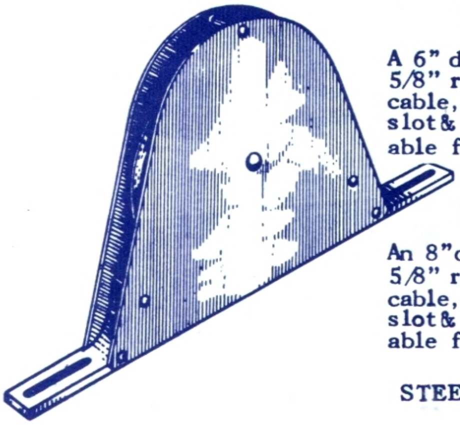


Fig. 84

FORGED STEEL BATTEN CLAMP

Furnished in the following standard pipe sizes; 1", 1¼", 1½" and 2". Specify size.



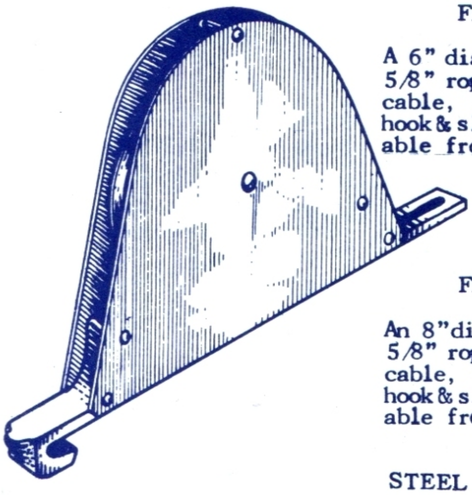
STEEL LOFT BLOCK

Fig. 6011

A 6" diameter sheave for 5/8" rope or 1/4" steel cable, bronze bearings, slot & slot ends, adjustable from 14" to 19".

Fig. 8011

An 8" diameter sheave for 5/8" rope or 1/4" steel cable, bronze bearings, slot & slot ends, adjustable from 14" to 19".



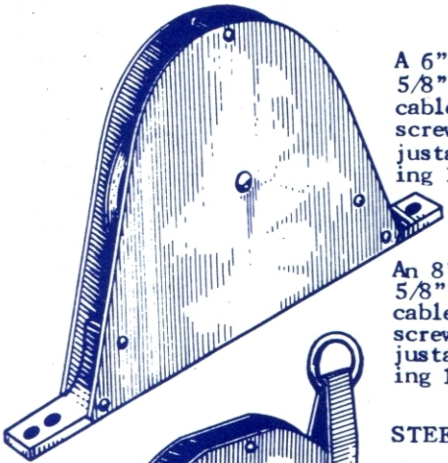
STEEL LOFT BLOCK

Fig. 6012

A 6" diameter sheave for 5/8" rope or 1/4" steel cable, bronze bearings, hook & slot ends, adjustable from 15" to 17½".

Fig. 8012

An 8" diameter sheave for 5/8" rope or 1/4" steel cable, bronze bearings, hook & slot ends, adjustable from 15" to 17½".



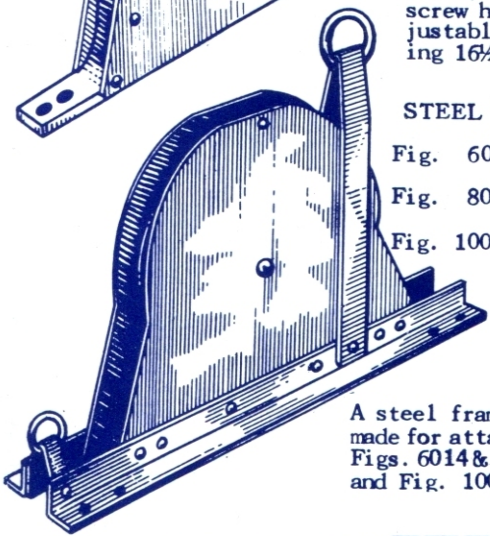
STEEL LOFT BLOCK

Fig. 6013

A 6" diameter sheave for 5/8" rope or 1/4" steel cable, bronze bearings, screw hole ends, non adjustable, bolt hole spacing 16½".

Fig. 8013

An 8" diameter sheave for 5/8" rope or 1/4" steel cable, bronze bearings, screw hole ends, non adjustable, bolt hole spacing 16½".



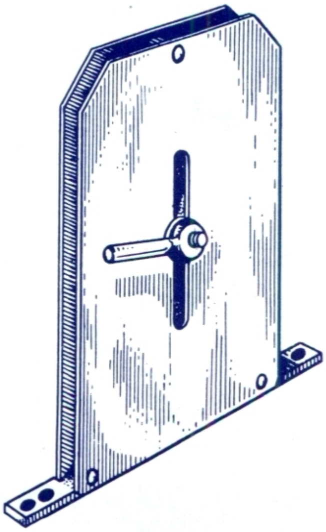
STEEL FLOOR BLOCKS

Fig. 6014 6" dia. sheave

Fig. 8014 8" dia. sheave

Fig. 10014 10" dia. sheave

A steel frame with provisions made for attaching wire guides. Figs. 6014 & 8014 for 5/8" rope, and Fig. 10014 for 3/4" rope.

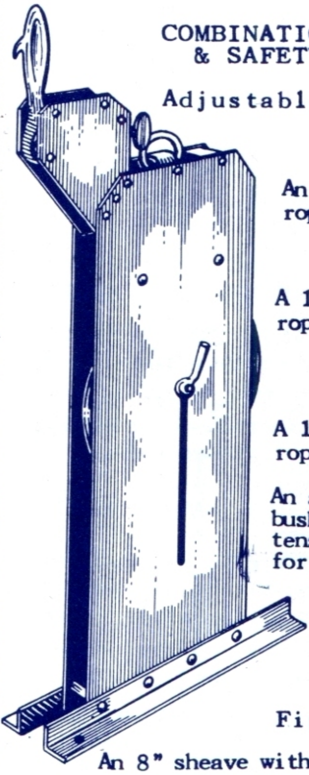


STEEL FLOOR BLOCKS

Fig. 6015 6" dia. sheave

Fig. 8015 8" dia. sheave

A steel frame with bronze bushed sheaves for 5/8" rope and adjusting handle.



COMBINATION FLOOR BLOCK & SAFETY ROPE LOCK

Adjustable Tension Type

Fig. 801

An 8" diameter sheave with a rope lock for 5/8" rope.

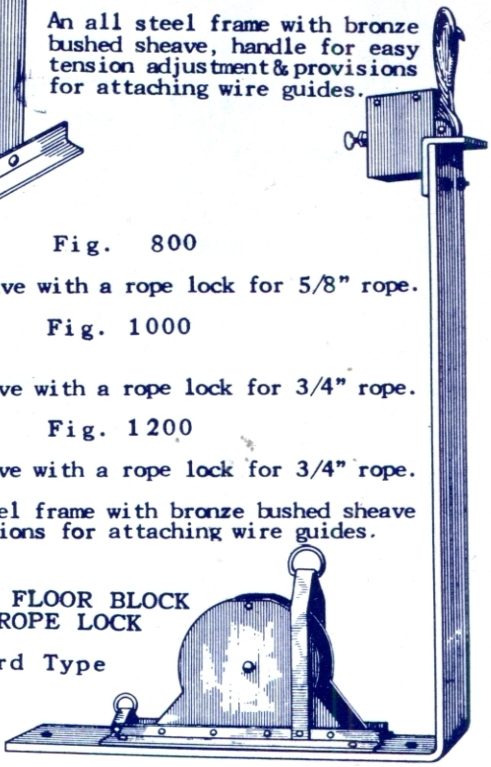
Fig. 1001

A 10" diameter sheave with a rope lock for 3/4" rope.

Fig. 1201

A 12" diameter sheave with a rope lock for 3/4" rope.

An all steel frame with bronze bushed sheave, handle for easy tension adjustment & provisions for attaching wire guides.



COMBINATION FLOOR BLOCK & SAFETY ROPE LOCK

Standard Type

Fig. 800

An 8" sheave with a rope lock for 5/8" rope.

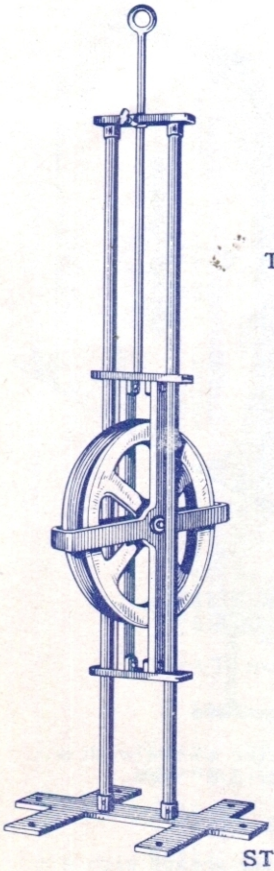
Fig. 1000

A 10" sheave with a rope lock for 3/4" rope.

Fig. 1200

A 12" sheave with a rope lock for 3/4" rope.

An all steel frame with bronze bushed sheave and provisions for attaching wire guides.



ASBESTOS & ACT CURTAIN TENSION SHEAVE ASSEMBLY

Fig. 12015

An all steel frame with a 12" diameter ball bearing sheave for 1" manila or cotton rope. Frame has a heavy drop forged thumb screw to adjust tension.

STEEL UNDERHUNG LOFT BLOCKS

Adjustable Clamp Type
Bronze Bearings

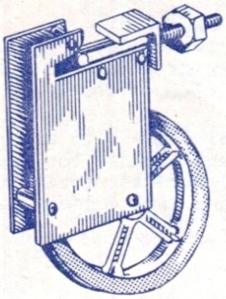


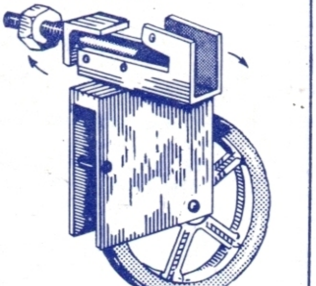
Figure Number	No. of Sheaves	Dia. of Sheaves
6010	1	6"
6020	2	6"
6030	3	6"
6040	4	6"
6050	5	6"
8010	1	8"
8020	2	8"
8030	3	8"
8040	4	8"
8050	5	8"

Clamp adjustment- 3½" to 6½" Sheave for 5/8" rope or 1/4" cable. Can also be supplied to grip any specified dimension upon request.

STEEL UNDERHUNG LOFT BLOCKS

Figure Number	No. of Sheaves	Dia. of Sheaves
6010-S	1	6"
6020-S	2	6"
6030-S	3	6"
6040-S	4	6"
6050-S	5	6"
8010-S	1	8"
8020-S	2	8"
8030-S	3	8"
8040-S	4	8"
8050-S	5	8"

Clamp adjustment- 3½" to 6½" Sheave for 5/8" rope or 1/4" cable. Can also be supplied to grip any specified dimension upon request.



Adjustable Clamp Type
With SWIVEL Head
Bronze Bearings

STEEL UNDERHUNG LOFT BLOCKS

Adjustable Clamp Type
Heavy Duty
Bronze Bearings

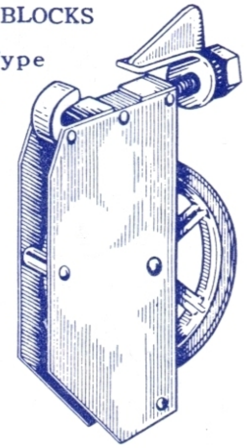


Figure Number	No. of Sheaves	Dia. of Sheaves
6010¼	1	6"
6020¼	2	6"
6030¼	3	6"
6040¼	4	6"
6050¼	5	6"
8010¼	1	8"
8020¼	2	8"
8030¼	3	8"
8040¼	4	8"
8050¼	5	8"

Clamp adjustment- 3½ to 8" Sheave for 5/8" rope or 1/4" cable. Can also be supplied to grip any specified dimension upon request.

STEEL UNDERHUNG LOFT BLOCKS

Flush Ceiling Type
Bronze Bearings

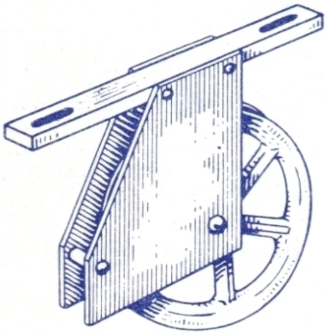


Figure Number	No. of Sheaves	Dia. of Sheaves
6010½	1	6"
6020½	2	6"
6030½	3	6"
6040½	4	6"
6050½	5	6"
8010½	1	8"
8020½	2	8"
8030½	3	8"
8040½	4	8"
8050½	5	8"

All 6" blocks have top plate with an 8" center to center template.

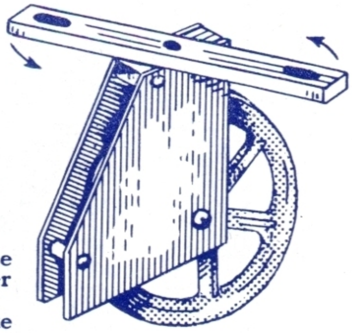
All 8" blocks have top plate with a 10" center to center template.
Sheaves for 5/8" rope or 1/4" cable.

STEEL UNDERHUNG LOFT BLOCKS

Flush Ceiling Type
With SWIVEL Head
Bronze Bearings

Figure Number	No. of Sheaves	Dia. of Sheaves
6010½-S	1	6"
6020½-S	2	6"
6030½-S	3	6"
6040½-S	4	6"
6050½-S	5	6"
8010½-S	1	8"
8020½-S	2	8"
8030½-S	3	8"
8040½-S	4	8"
8050½-S	5	8"

All 6" blocks have top plate with an 8" center to center template.
All 8" blocks have top plate with a 10" center to center template.
Sheaves for 5/8" rope or 1/4" cable.



Special Sheaves furnished upon request.

Send us your requirements.

DRAW CURTAIN TRACKS, EXTRA HEAVY DUTY, CYCLORAMA

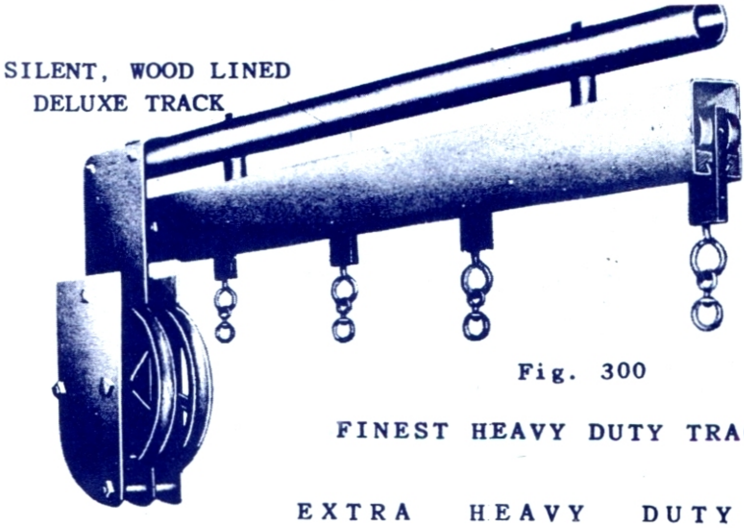
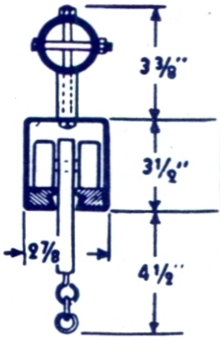
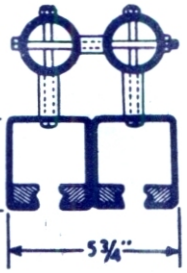


Fig. 300



Side View of Track.



Track at Center Lap.

FINEST HEAVY DUTY TRACK

EXTRA HEAVY DUTY STEEL TRACK

For large heavy lined curtains, any length. Constructed of extra heavy 10 gauge steel, with maple lined treadways. Hard rubber wheels with fiber bodies and two ball-bearings for each carrier. Carriers spaced 12" apart. Large 8" dia. ball-bearing head pulleys are provided for easier operation of curtains. Reinforced with 1-1/4" pipe battens. The finest EXTRA HEAVY DUTY STEEL TRACK obtainable.

FLEX-I-TRACK FOR CYCLORAMA

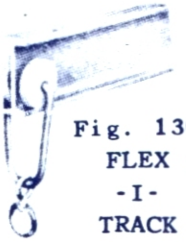
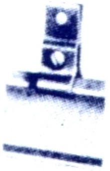
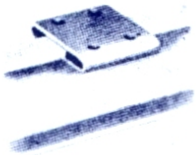


Fig. 1300 FLEX -I- TRACK



HANGING CLAMP

CEILING BRACKET



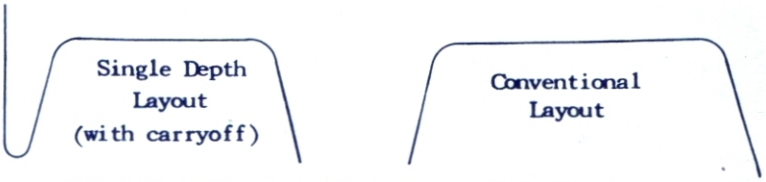
SPLICING CLAMP

Fig. 1300 FLEX-I-TRACK

Especially designed for cycloramas, this medium gauge aluminum track gives smooth, effortless movement. For "walk-around operation only, it does not require cord nor pulleys. Wheels are constructed of self-lubricating nylon bearings. Carriers spaced 9" apart. Durable construction, yet so flexible that it can be bent on-the-job into appropriate curves. May be hung from chain or cable, or bolted to ceiling with ceiling brackets.

Fig. 1300-T FLEX-I-TRACK WITH T-BAR

Same track as Fig. 1300 above but mounted with T-Bar for additional support. T-Bar reinforcement is especially recommended for heavier curtains, or in theatres where the track is to fly. T-Bar retains the shape of track and prevents buckling. Holes are provided in T-Bar for hanging by chain or cable. Fig. 1300-T is factory assembled and curved. Shipped knocked down for easy handling.



TYPICAL FLEX-I-TRACK CYCLORAMA EFFECTS

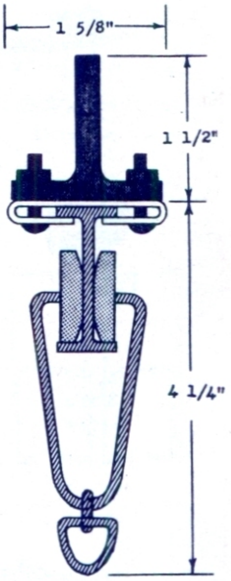


Fig. 1300-T

Side View With T-Bar Attached

HOW TO ORDER TRACK

To determine gross length of track required, start with width of proscenium opening (i.e., clear width of opening which curtain is to uncover, or the distance between inside edges of curtain halves when it is in open position). Add 30%, 10% for overlap at center when curtain is closed; 10% for extension on each end to accommodate each half of curtain when open.

EXAMPLE: Proscenium is 30 ft., Add 30% or 9 ft., Track length is 39 feet.

" SPANOTRAC "

A TRULY EXCEPTIONAL LIGHT - TO - MEDIUM DRAPERY TRACK

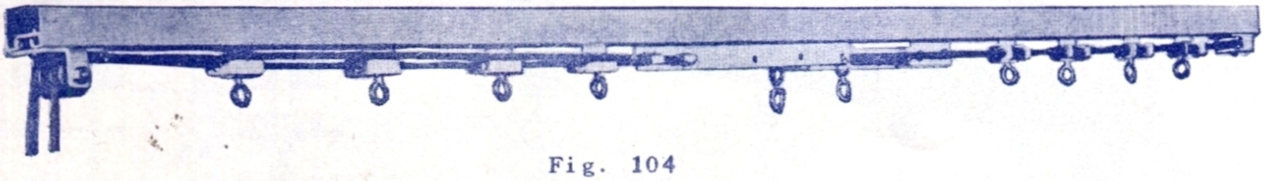
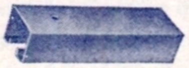
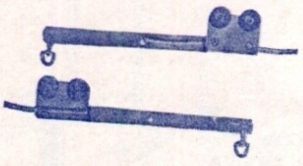


Fig. 104

" SPANOTRAC "

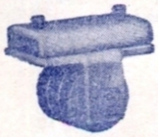


no. 1040
Track Channel



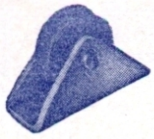
no. 1042 Master Carrier

no. 1041
Single Carrier



no. 1043
Live End
Pulley

no. 1044
Dead End
Pulley



no. 1046
Standard
Floor Pulley

Spanotrac is a truly exceptional light-to-medium duty drapery track. Available in either aluminum or magnesium, it is sturdy, durable, well integrated and expertly engineered for diversified applications. Produced by Automatic Devices Co., a leading manufacturer of curtain track and curtain control equipment, it is an assembly that assures a distinctive product measuring up to the highest A D C standard.

Spanotrac's uniqueness lies in the fact that it is a light-to-medium duty curtain track that uses the well known A D C principle of two balanced rubber wheels rolling on two parallel treads. This construction assures a smooth, quiet, effortless curtain movement.

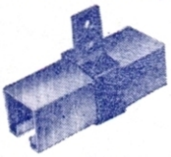
A special feature of Spanotrac is the use of ball bearing wheels on end and floor pulleys. The ball bearing live end and dead end pulleys actually serve a two-fold purpose. By loosening two screws they can be located at any point along the track to act as end stops as well as end pulleys thus effecting a substantial saving in cost.

Spanotrac is recommended with light-to-medium weight curtains for schools, and churches, display windows, banks and offices, theatres and TV studios, lodges and clubrooms, convention exhibits, residences, funeral homes, clubs and restaurants, hotels and hospitals, audio-visual classrooms, dancing studios, and for industrial and commercial use.

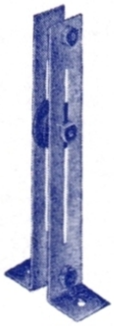
Spanotrac is obtainable either as a complete unit with all necessary accessories or as individual parts for a particular installation. The track which is installed single in one section is easily mounted to suit the requirements of the individual contract. Wall brackets are available.

Spanotrac is recommended for lengths up to 20 feet with hand operation and up to 16 feet with machine operation.

no. 1047 Splicing Clamp



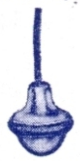
no. 1048
Hanging Clamp



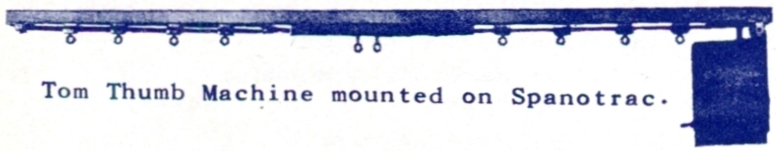
no. 1052
Adjustable
Floor Clamp

no. 1045
Tension
Floor Pulley

no. 1050-1051
Operating
Cord



no. 1049
Cord
Weight



Tom Thumb Machine mounted on Spanotrac.

With the recent development of TOM THUMB curtain controls SPANOTRAC is ideally adaptable for machine operation. TOM THUMB machines were specifically created for use with SPANOTRAC tracks.

DRAW CURTAIN TRACKS, HEAVY AND LIGHT DUTY

SILENT,
EASILY OPERATED
TRACKS

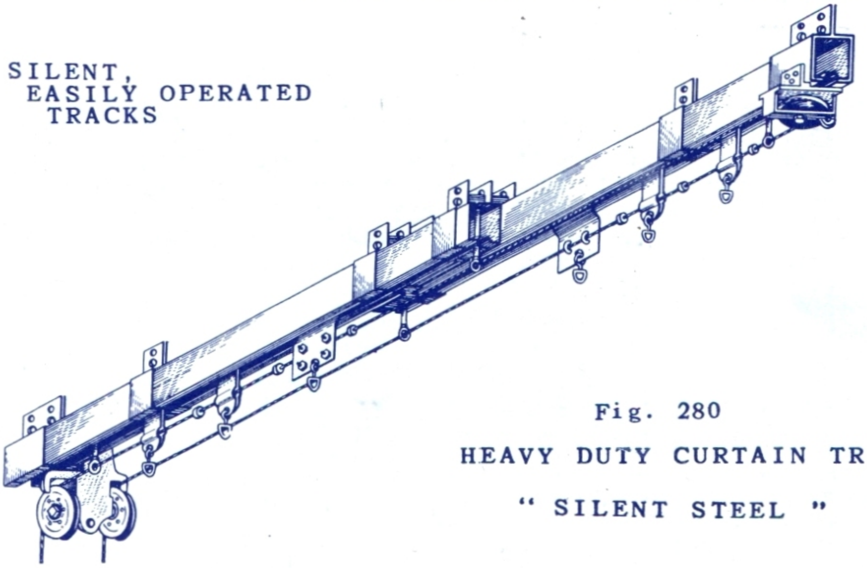


Fig. 280

HEAVY DUTY CURTAIN TRACK

" SILENT STEEL "

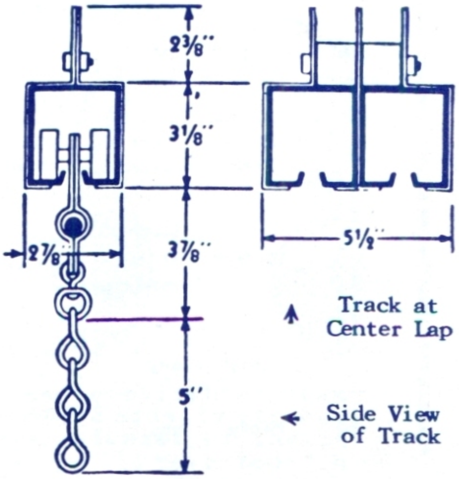


Fig. 280 HEAVY DUTY TRACK (illustrated above). For use with curtains up to 80 feet long and 40 feet high. Made of 14 gauge steel. Ball bearing carriers and pulley blocks. Carriers are spaced 12" apart. Rubber spacers ride in operation line between each carrier. Track is drilled for attachments. Can either be suspended by chain, cable or can be bolted direct to ceiling with ceiling brackets or to wall with wall brackets.

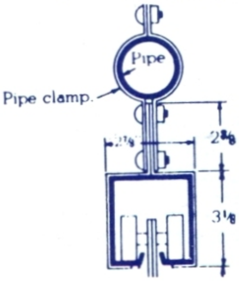


Fig. 280-P HEAVY DUTY TRACK WITH PIPE BATTEN

Fig. 280-P is the same track as Fig. 280 except that track is mounted upon 1-1/4" pipe batten for additional support. This reinforcement is recommended for heavier curtains or in theatres where curtains are moved to different positions on stage by hoisting equipment. Pipe battens prevents any buckling of track.

" BESTEEL"

Fig. 170 LIGHT DUTY STEEL TRACK

Similar to Fig. 280 track above, but smaller in size. Made of 14 gauge steel, self-lubricating carriers and ball bearing pulley blocks. Carriers are spaced 12" apart. Recommended for medium or lightweight curtains up to 36 feet long.

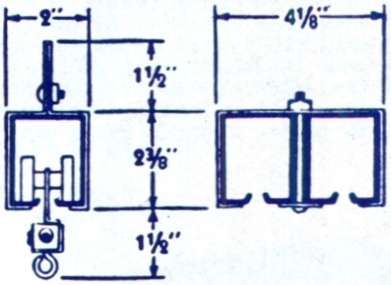


Fig. 170-N LIGHT DUTY STEEL TRACK

Same as Fig. 170 track except with nylon ball bearing carriers. Recommended for heavier curtains of medium length.

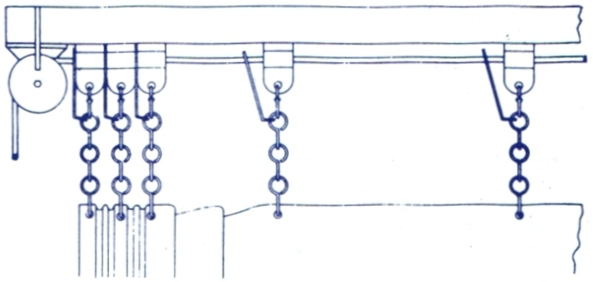


Fig. 280-BP
(for Fig. 280 & 280-P)
Fig. 170-BP
(for Fig. 170 & 170-N)
BACK PAN GUIDES

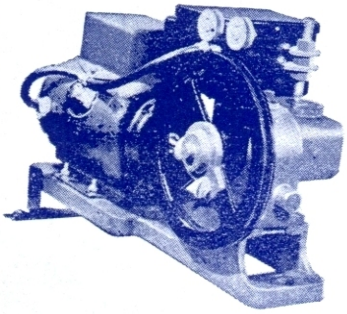
These guides regulate the movement of the curtain, allowing it to open in a flat ungathered surface. The curtain fabric accumulates only at the extreme pulley ends of the track, out of sight of the audience.

selector table

Track Length*	Type of Duty	Wt. of Curtain	Use	
			Track	Machine
1'-20'	Light to medium	Light to medium	"Spanotrac" no. 104**	"Tom Thumb" no. 67
13'-36'	Medium	Light or medium	"Besteel" no. 170*	"Autodrape" no. 93
	Heavy	any	"Silent Steel" no. 280*	"Autodrape" no. 93
37'-50'	Heavy	any	"Silent Steel" no. 280*	"Autodrape" no. 145

Fig. 145

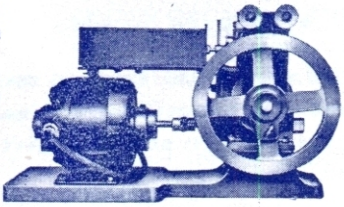
AUTODRAPE CURTAIN MACHINE



The recent development of Fig. 145, a start and stop and reverse curtain control which represents the last word in the accomplishment of a completely accurate, smooth, and efficient curtain movement. This type of curtain machine, equipped with an instantly reversible motor, is ideal for stage and screen presentations where it is desired to open or close the curtains at various points along the track. The control switch is located at the side of the switch box, shown at left. An extra control button for remote control is furnished with unit. The motor furnished is 1/3 hp, 115 volts, AC-DC, 60 cycles. 25 or 50 cycles can be furnished by request.

Fig. 93

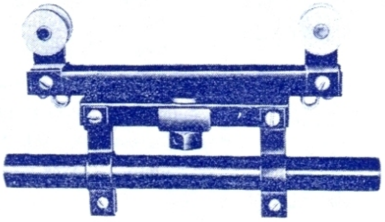
AUTODRAPE CURTAIN MACHINE



For use with track lengths up to 36 feet. This curtain machine is the fully automatic type. Its ¼ hp motor is direct connected through a flexible coupling to the double reduction gear unit. The elevator type traction V - pulley, mounted on the main shaft delivers a cable speed of 92 feet per minute which is equivalent to a curtain seperation of 2¾ feet per second. The limit switch adjustments are mounted integrally with the secondary reduction of the gear unit. The machine is equipped with an automatic overload breaker. There is also a disconnecting clutch for conversion to a hand operation. The entire machine is mounted on a heavy base. The motor furnished is ¼ hp, 115 volts, AC.DC. 60 cycle. 25 or 50 cycle can be furnished by request.

Fig. 17

ROTODRAPER



For use with Fig. 170 "Besteel" track. The most efficient yet the lowest priced pivotal hardware available on the market. Makes possible a wide variety of stage settings.

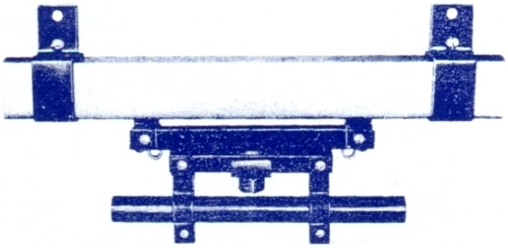


Fig. 28

ROTODRAPER

Made for use with Fig. 280 "Silent Steel" track. The most efficient yet the most reasonable priced unit on the market. Creates the most efficient method of making possible a wide variety of stage settings.

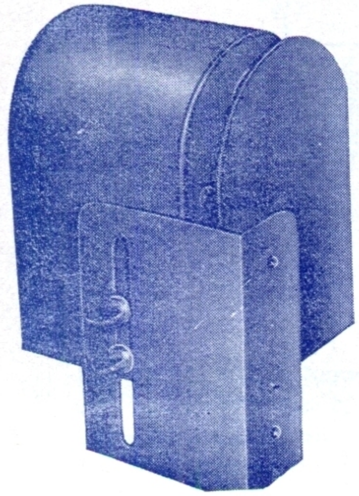


Fig. 67

TOM THUMB MACHINE

Especially designed for use with Spanotrac. Overall demensions: 4-1/8" wide, 5-1/2" deep and 6-1/2" high. Weight- 6 lbs. Machine can be mounted on floor, wall, window sill or on track itself. Recommended for curtains weighing not over 28 pounds when suspended from SPANOTRAC not to exceed 16 feet in length. The motor furnished is 115 A.C. - D.C. 60 cycles. 25 or 50 cycles can be furnished by request.

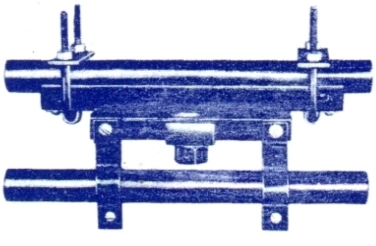


Fig. 6

ROTODRAPER

Fig. 6 is designed to be fastened to pipe battens by means of U-Bolts. The clamps furnished with an individual Rotodraper are for 1" pipe. 1¼", 1½" & 2" pipe clamps can also be furnished.

IRON STRAPPED WOOD BLOCKS

Loose Side Hook
Roller Bushed

Fig. 21R
SINGLE

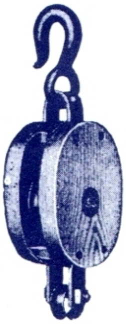


Fig. 22R
DOUBLE

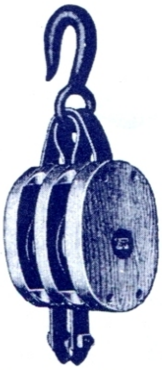
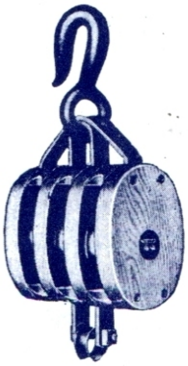


Fig. 23R
TRIPLE



A single becket is furnished on all blocks. Blocks are of well seasoned wood with steel roller bushed sheaves and loose hook.

All blocks on this page are available in the following sizes:

Length Shell, In.	For Dia. Manila Rope
3	3/8"
4	1/2"
5	5/8"
6	3/4"

Larger Sizes Upon Request

IRON STRAPPED WOOD BLOCKS

Loose Swivel Hook
Roller Bushed

Fig. 41R
SINGLE

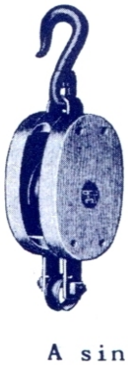


Fig. 42R
DOUBLE

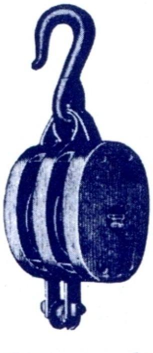
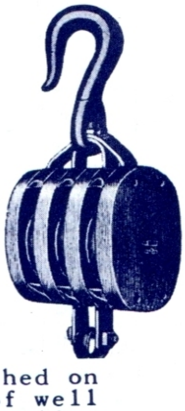


Fig. 43R
TRIPLE



A single becket is furnished on all blocks. Blocks are of well seasoned wood with steel roller bushed sheaves and loose swivel hook.

STANDARD STEEL BLOCKS

Loose Side Hook
Roller Bushed

Fig. 261R
SINGLE

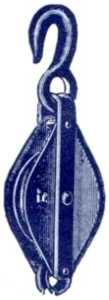


Fig. 262R
DOUBLE

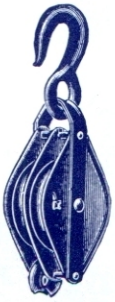
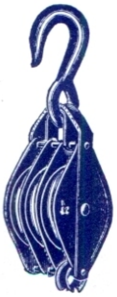


Fig. 263R
TRIPLE



These blocks are lighter than wood blocks and equally strong. There is no danger of shells splitting. Shells have rounded edges to protect the rope.

PERFECT METAL BLOCKS

Loose Swivel Hook
Roller Bushed

Fig. 336R
SINGLE

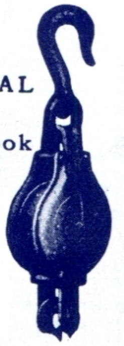


Fig. 337R
DOUBLE

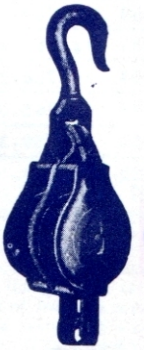
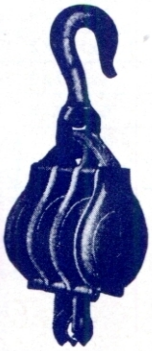


Fig. 338R
TRIPLE



The outer edges of the middle partition, as well as the sides of shell are rounded to protect the rope. Malleable iron shell with steel sheave, becket and loose swivel hook.

PERFECT METAL BLOCKS

Loose Side Hook
Roller Bushed

Fig. 301R
SINGLE

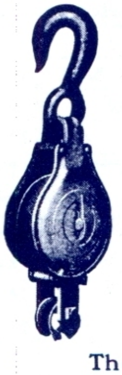


Fig. 302R
DOUBLE

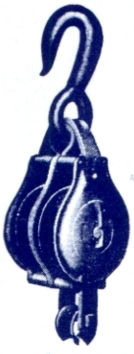
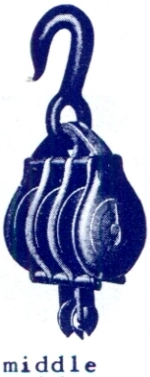
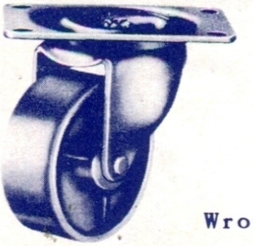


Fig. 303R
TRIPLE



The outer edges of the middle partition, as well as the sides of shell are rounded to protect the rope. Malleable iron shell with steel sheave, becket and loose side hook.

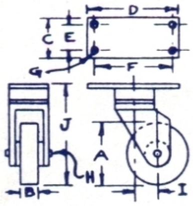


PAYSON CASTERS

Medium Duty

Wrought Steel - Ball Bearing Swivel

No. 769 Series

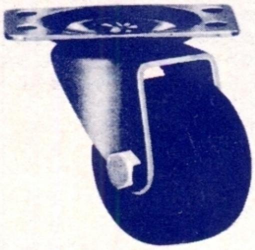


DIMENSIONS (in inches)

SEMI-STEEL WHEELS

APPLY TO ALL CASTERS IN THIS SERIES

WHEEL DIAMETER X WIDTH AXB	CASTER NUMBER		CAPACITY PER CASTER POUNDS	WEIGHT PER CASTER POUNDS	MATCHING RIGID PL.BRG. WHEEL	BASE WIDTH X LENGTH CXD	TEMPLATE WIDTH X LENGTH EXF	ATTACHING BOLT DIAMETER G	AXLE DIAMETER H	OFF-SET I	OVER-ALL HEIGHT J
	PLAIN BEARING WHEEL	ROLLER BEARING WHEEL									
1 5/8x11/16	761 5/8	—	—	.33	—	1 5/8 x2 3/16	1 x1 5/8	NO.8 SCR.	3/16	7/16	2
2x1 1/8	762	—	150	.65	732	1 15/16x2.5/8	1 x2 1/8	1/4	1/4	5/8	2 9/16
2 1/2x1 1/8	762 1/2	762 1/2-3R	200	1.6	732 1/2	2 11/16x3 5/8	1 3/4x3	5/16	1/4	3/4	3 1/4
3x1 1/4	763	763-3R	250	2.3	733	3 1/8x x4 1/8	2 3/8x3 3/8	5/16	5/16	7/8	3 7/8
3 1/2x1 1/2	763 1/2	763 1/2-3R	275	3.2	733 1/2	3 3/8 x4 3/4	2 1/8x3 7/8	3/8	3/8	1 1/16	4 3/4
4x1 1/2	764	764-3R	300	4.25	734	4x5	3x4	3/8	3/8	1 1/16	5
5x1 3/4	765	765-3R	400	7.3	745	5x5 3/4	3 3/4x4 1/2	3/8	1/2	1 3/8	6 7/16
6x2	766	766-3R	600	13.0	746	6x6 3/8	4 1/8x5 1/2	3/8	5/8	2	7 3/8
8x2 1/4	768	768-3R	800	17.2	748	6x6 3/8	4 1/8x5 1/2	3/8	5/8	2 1/16	9 1/2

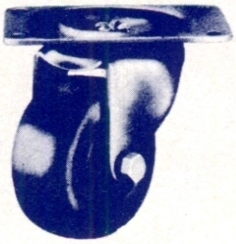


762RM

"RM"

ALL RUBBER
CUSHION TREAD
HARD FIBROUS
COMPOUND
CENTER

WHEEL DIAMETER X WIDTH AXB	CASTER NUMBER		CAPACITY PER CASTER POUNDS	WEIGHT PER CASTER POUNDS	MATCHING RIGID PL.BRG. WHEEL
	PLAIN BEARING WHEEL	ROLLER BEARING WHEEL			
1 5/8x11/16	761 5/8RM	—	—	.23	—
2x7/8	762RM	—	65	.44	732RM
2 1/2x1 1/8	762 1/2RM	762 1/2RM-3R	80	1.1	732 1/2RM
3x1 3/8	763RM	763RM-3R	100	1.4	733RM
3 1/2x1 7/16	763 1/2RM	763 1/2RM-3R	175	2.6	733 1/2RM
4x1 5/8	764RM	764RM-3R	200	2.9	734RM
5x2	765RM	765RM-3R	250	5.3	745RM
6x2 1/8	766RM	766RM-3R	275	9.1	746RM
8x2 1/2	768RM	768RM-3R	400	13.1	748RM



760RM

"T"

ALL HARD
FIBROUS
COMPOUND

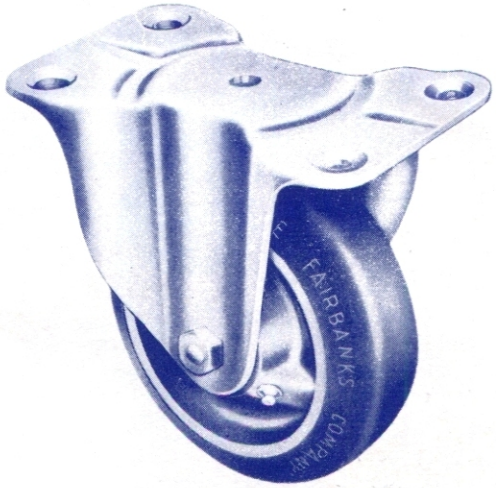
1 5/8x11/16	761 5/8T	—	—	.23	—
2x 7/8	762T	—	130	.45	732T
2 1/2x1 1/8	762 1/2T	762 1/2T-3R	160	1.1	732 1/2T
3x1 3/8	763T	763T-3R	210	1.4	733T
3 1/2x1 7/16	763 1/2T	763 1/2T-3R	250	2.6	733 1/2T
4x1 5/8	764T	764T-3R	300	3.1	734T
5x2	765T	765T-3R	400	5.4	745T
6x2 1/8	766T	766T-3R	530	9.5	746T
8x2 1/2	768T	768T-3R	800	13.8	748T

THREAD GUARDS AVAILABLE FOR ALL WHEELS 2" TO 6" INCLUSIVE. TO ORDER PREFIX TG TO CASTER NUMBER.

SERIES "21" SINGLE BALL RACE SWIVEL CASTERS — Sizes 2" - 6"

The Fairbanks Regular Duty Series "21" Steel Casters give rugged, dependable service. The strong "LOCKWELD" construction, by eliminating the king-pin, provides longer caster life; the exclusive patented leg design prevents caster failures due to shock and overload, and careful attention to details such as coined raceways, hardened ball bearings and hardened steel spanner bushings, assures long, reliable usage.

FAIRBANKS
PATENTED
21-4
U.S.A.
THE FAIRBA
4" DIA.
NO. 304



SERIES "31" RIGID CASTERS — Sizes 2½" - 6"

The same sound engineering is embodied in the Fairbanks Series "31" Rigid Casters which match the Series "21" Swivel Casters in height. These casters employ a girder type construction which has great rigidity and strength when the legs are securely locked in place with the standard hardened steel spanner bushing.

FAIRBANKS CASTERS WITHOUT A KING-PIN

Give You Three Unmatched Advantages:

(1) NO KING-PIN: Unique "LOCKWELD" Construction has eliminated the king-pin — the chief source of caster failures — and replaced the non-rigid, king-pin assembly with a rigid, stronger, welded structure.

(2) "LOCKWELD" CONSTRUCTION-PATENTED: This exclusive construction has LOCKED the ball bearing raceways in rigid alignment by enclosing the top of the caster fork within the structural unit formed when the top plate is WELDED to the retaining plate. Perfect alignment and structural strength guarantee easier, smoother swiveling for many more extra miles of caster service.

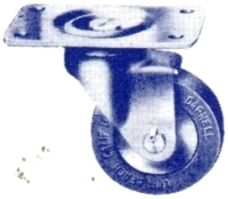
(3) LEG DESIGN-PATENTED: This exclusive leg design is based on the unequaled stress dispersing qualities of a true sphere. Shocks and overloads are dispersed over a larger portion of the ball race, adding greatly to the strength and swiveling action of the caster. Wheel wear is reduced by the smoother swiveling action.

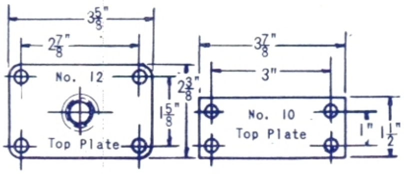
In addition to these *exclusive* advantages, Fairbanks Steel Casters have coined raceways — designed so that work-hardening improves the efficiency of the ball race; larger raceways and ball bearings; and hardened steel spanner bushings on all but the 2" size. These factors, together with the exclusive advantages provided by "LOCKWELD" construction and the patented leg design, combine to make the Fairbanks Steel Caster the sturdiest, most efficient caster made!

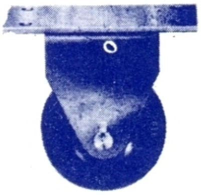
SERIES "21" — "LOCKWELD" STEEL SWIVEL CASTERS — SINGLE BALL RACE — REGULAR DUTY

FIGURE NUMBER	WHEEL DIA. (IN.)	OVERALL HEIGHT (IN.)	TOP PLATE SIZE (IN.)	BOLT HOLE SPACING (IN.)	BOLT HOLE SIZE (IN.)	WHEEL SIZES AND LOAD RATINGS		
						SEMI-STEEL PLAIN AND ROLLER BRNG	SOLID RUBBER PLAIN AND ROLLER BRNG	
							SOFT TREAD	HARD TREAD
21-2	2	2½	1¹³⁄₁₆ x 2⅝	³¹⁄₃₂ x 2⅛	¹⁷⁄₆₄	2 x ¹⁵⁄₁₆ †* 125#	2 x ⅞ †* 65#	2 x ⅞ †* 125#
21-25	2½	3¼	2⁹⁄₁₆ x 3¹¹⁄₁₆	1¾ x 3	¹¹⁄₃₂	2½ x 1 * 175#	2½ x 1 †* 90#	2½ x 1 †* 175#
21-3	3	3¾	3¹⁄₁₆ x 4⅛	2⅜ x 3⁷⁄₁₆	¹¹⁄₃₂	3 x 1¼ 225#	3 x 1¼ 100#	3 x 1¼ 225#
21-4	4	5	4 x 5	3 x 4	¹³⁄₃₂	4 x 1½ 300#	4 x 1⁷⁄₁₆ 200#	4 x 1⁷⁄₁₆ 300#
21-5	5	6¼	5 x 6½	3⅜ x 5¼	¹⁵⁄₃₂	5 x 1⅝ 400#	5 x 1½ 250#	5 x 1½ 400#
21-6	6	7¼	5 x 6½	3⅜ x 5¼	¹⁵⁄₃₂	6 x 2 500#	6 x 2 300#	6 x 2 500#
	SERIES "31" — STEEL RIGID CASTERS — (MATCH HEIGHT OF CORRESPONDING SERIES "21" CASTER)							
31-25	2½	3¼	2¹⁄₁₆ x 4⅜	1¹⁄₁₆ x 3¹⁵⁄₃₂	¹¹⁄₃₂	2½ x 1 * 200#	2½ x 1 †* 90#	2½ x 1 †* 200#
31-3	3	3¾	2 ⁵⁄₁₆ x 5⅛	1³⁄₁₆ x 4	¹¹⁄₃₂	3 x 1¼ 250#	3 x 1¼ 100#	3 x 1¼ 250#
31-4	4	5	3³⁄₁₆ x 6³⁄₁₆	2 x 5	²⁵⁄₆₄	4 x 1½ 400#	4 x 1⁷⁄₁₆ 200#	4 x 1⁷⁄₁₆ 400#
31-5	5	6¼	3¾ x 6¼	2½ x5	²⁵⁄₆₄	5 x 1⅝ 500#	5 x 1½ 250#	5 x 1½ 500#
31-6	6	7¼	3¾ x 6¼	2½ x5	²⁵⁄₆₄	6 x 2 650#	6 x 2 300#	6 x 2 650#

DARNELL CASTERS







75 Lb. Load Series
Oilless Wheel Bearings
Neoprene Wheels

Double Ball Bearing Swivel Model No.	Wheel Dia.	Overall Height	Matching Stationary Model No.	Wheel Dia.	Overall Height
U1212 DN	3"	4 1/4"	U1012 SDN	3"	4 1/4"
U1215 DN	4"	5 1/4"	U1015 SDN	4"	5 1/4"
U1217 DN	5"	6 1/4"	U1017 SDN	5"	6 1/4"

Also available in Hard Rubber, specify H (ie.-U1212 H)

150 Lb. Load Series
Oilless Wheel Bearings
Neoprene Wheels

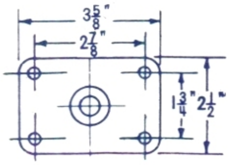
Double Ball Bearing Swivel Model No.	Wheel Dia.	Overall Height	Matching Stationary Model No.	Wheel Dia.	Overall Height
1662½ DN	2½"	3 3/4"	1762½ SDN	2½"	3 3/4"
1663 DN	3"	4 1/4"	1863 SDN	3"	4 1/4"
1663½ DN	3½"	4 3/4"	1863½ SDN	3½"	4 3/4"
1664 DN	4"	5 1/4"	1964 SDN	4"	5 1/4"
1665 DN	5"	6 1/4"	1965 SDN	5"	6 1/4"

EASY ROLL WHEELS

Double Ball Bearing Swivel Model No.	Wheel Dia.	Overall Height	Matching Stationary Model No.	Wheel Dia.	Overall Height
1665½ XDNEZ	5½"	6 7/8"	1965½ XSDNEZ	5½"	6 7/8"
1668 XDNEZ	8"	9 15/32"	1968 XSDNEZ	8"	9 15/32"

All models except 5½" & 8" can also be furnished in Hard Rubber, specify H (ie.- 1663 H) or Semi Steel, specify CI (ie.- 1663 CI).

No. 16 Top Plate
on Swivel Models



Top Plate Size on Stationary Models
(First Two Numbers of Caster Model)

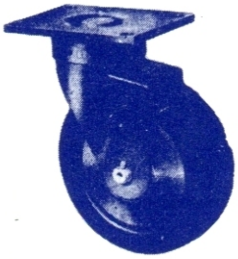
Plate No.	Plate Size	Template for Bolt Holes
17	4 1/8" x 2½"	3 3/8" x 1¾"
18	4 3/8" x 2½"	3 5/8" x 1¾"
19	4 7/8" x 2½"	4 1/8" x 1¾"

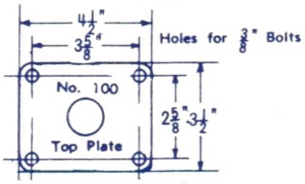
100 Lb. Load Series
Oilless Wheel Bearings
Neoprene Wheels

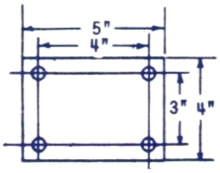
Double Ball Bearing Swivel Model No.	Wheel Dia.	Overall Height	Matching Stationary Model No.	Wheel Dia.	Overall Height
1202 UDN	2"	3"	1002 USDN	2"	3"
1202½ UDN	2½"	3 5/8"	1002½ USDN	2½"	3 5/8"

Also available in Hard Rubber, specify H (ie.- 1202 UH), and Semi Steel, specify CI (ie.- 1202 CI).

300 Lb. Load Series
Hardened Steel Wheel Bearings
Neoprene Wheels







Double Ball Bearing Swivel Model No.	Wheel Dia.	Overall Height	Matching Stationary Model No.	Wheel Dia.	Overall Height
173 DN	3"	4 3/8"	1474 SDN	4"	4 3/8"
174 DN	4"	5 7/16"	1475 SDN	5"	5 7/16"
175 DN	5"	6 7/16"	1475 SSDN	5"	6 7/16"
176 DN	6"	7 1/2"	1476 SSDN	6"	7 1/2"

Also available in Hard Rubber, specify H (ie.- 173 H), and Semi Steel, specify CI (ie.- 173 CI).

For Other Models of DARNELL CASTERS, Send for complete Catalog No. 60.

All Darnell Casters can be overloaded 100 to 200% for short periods of time.

Fig. 173DNSL

DARNELL SWIVEL LOCK CASTER

Can be used as a stationary or swivel caster. Ideal for platforms, stages or special application work. The wheel diameter is 3" and the overall height, 4 3/8". This caster can also be furnished in Hard Rubber, specify 'H' and Semi-Steel, specify 'CI'.

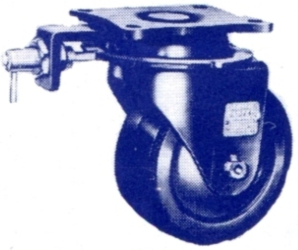


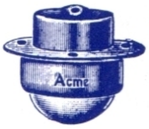
Fig. 174DNSL

DARNELL SWIVEL LOCK CASTER

This caster is the same as Fig. 173DNSL except wheel diameter is 4" and the overall height is 5 7/16". This caster can also be furnished in Hard Rubber, specify 'H' or in Semi-Steel, specify 'CI'

Fig. 4656

BALL CASTERS



Steel, ball bearing, countersunk. Round Plate. Brass finish. Packed 4 to a set, 1 set per box. Sizes....3/4", 1", 1-1/8", 1-1/4"

Fig. 4658

BALL CASTERS

Steel, ball bearing, countersunk. Steel pin & socket. Brass finish. Packed 4 to a set, 1 set per box. Sizes....3/4", 1", 1-1/8"

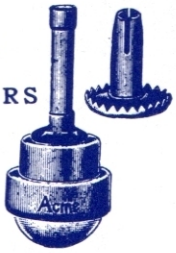


Fig. 4660

THREE PRONG GLIDES

Made of high carbon steel, case hardened and tempered. Bright polished finish. Four to a set. Packed 100 sets per box. Actual sizes shown.

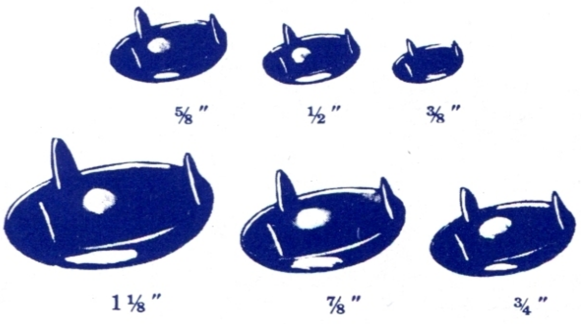
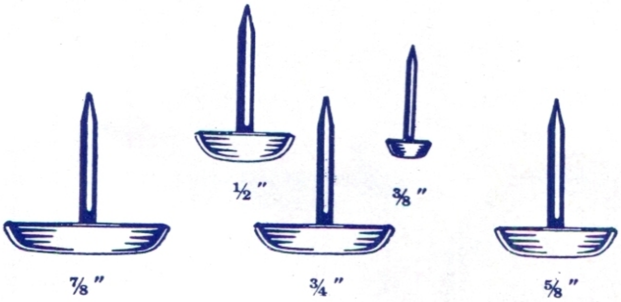


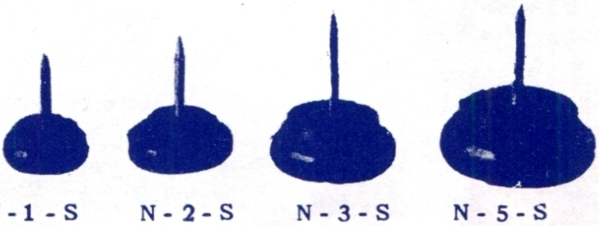
Fig. 4662

SINGLE PRONG GLIDES

Made of high carbon steel, case hardened and tempered. Bright polished finish. Four to a set. Packed 100 sets per box. Actual sizes shown.



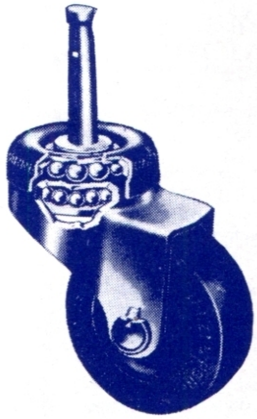
DARNELL GLIDES



Made of case hardened steel with a resilient rubber cushion. Pin will not pull out. Bright gun metal finish. Four to a set. 10 sets to a box.

Model No.	N-1-S	N-2-S	N-3-S	N-5-S
Dia. of Base	7/8"	1-1/16"	1-1/4"	1-1/2"

DARNELL
CHAIR & FURNITURE CASTERS



The finest casters made for chair and furniture use.

DN Soft Rubber Wheel should be used on all floors except carpet. The DN wheel has a resilient protective tread which will not harm a fine floor.

H Hard Rubber Wheel should be used on carpeted floors. Face of this wheel is hard and smooth, permitting it to swivel on carpets without gripping the nap, thereby preventing undue wear on the carpet. Packed 1 set in a box.

Set No.	U-7-DN	US-9-DN	U-50-DN	U-52-DN
Wheel Diameter, Inches	1 ¾	2	2	2
Wheel Width, Inches	¾	¾	¾	(2) 7/16
Caster Height	2-3/8	2-5/8	2-7/8	2-7/8

Set No.	U-7-H	US-9-H	U-50-H	U-52-H
Wheel Diameter, Inches	1 ¾	2	2	2
Wheel Width, Inches	¾	¾	¾	(2) 7/16
Caster Height	2-3/8	2-5/8	2-7/8	2-7/8

All Casters furnished with S stem and No. 3 sockets.

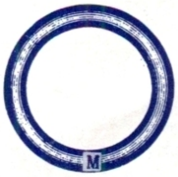


Fig. 2034

Size	Wire	Inside Diameter
1	No. 11	1/2 in.
2	No. 10	5/8 in.
3	No. 9	3/4 in.
4	No. 7	1 in.
5	No. 7	1¼ in.

WELDED STEEL RINGS
Light

Made of malleable steel and firmly electro welded. Packed 100 per box.

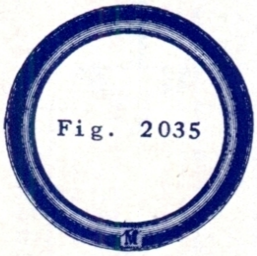


Fig. 2035

Size	Wire	Inside Diameter
1	1/4 in.	1½ in.
2	1/4 in.	1¾ in.
3	1/4 in.	2 in.
4	1/4 in.	2½ in.
5	5/16 in.	3 in.

WELDED STEEL RINGS
Heavy

Made of malleable steel and firmly electro welded. Packed 100 per box.

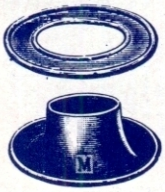


Fig. 2031

BRASS GROMMETS

Made of wrought brass. Packed with washers, 100 per box.

Size	0	1	2	3	4	5
Dia. Hole in inches	¼	5/16	⅜	7/16	½	⅝

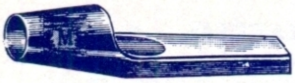


Fig. 2037

GROMMET HOLE CUTTER

A good grommet hole cutter, made of drop forged steel and will cut clearance hole for corresponding size grommet.

Size	0	1	2	3	4	5
Hole Cut	¼	9/32	11/32	⅜	15/32	⅝

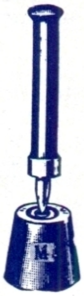


Fig. 2036

GROMMET DIES

Our grommet dies are made of a drop forged steel and will set sheet brass or teeth grommets. Packed individually.

Sizes	0	1	2	3	4	5

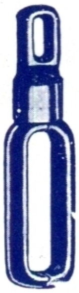


Fig. 2064

DROP HOLDER

Scenery suspended at great height over the stage must be securely fastened. This clamp is designed to clamp over the top batten or rail and cannot be opened except by hand. Packed individually.

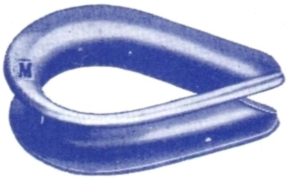


Fig. 2061

WIRE ROPE THIMBLES
Galvanized

Wire rope thimbles can be used for both wire and manila rope. Made of hot galvanized drop forged steel.

For Dia. Rope, in. ...	⅛	3/16	¼	5/16	⅜	½
Width Inside, in.	⅝	11/16	¾	13/16	15/16	1⅛
Length Overall, in..	1¾	1¾	2	2⅛	2⅜	2 15/16
Packed per box	100	100	100	50	50	50

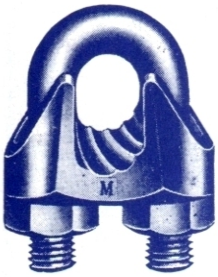


Fig. 2062

WIRE ROPE CLIPS

The wire rope clip consists of a wrought iron staple with malleable iron base, galvanized finished.

Diam. rope Inches	Thread Diam. Inches	Length Overall Inches	Center to Center Inches	Packed per Box
⅛	3/16	1	½	100
3/16	¼	1 1/16	9/16	100
¼	5/16	1½	11/16	100
5/16	5/16	1½	11/16	50
⅜	⅜	2	⅞	50
7/16	⅜	2	⅞	25
½	7/16	2⅜	1	25

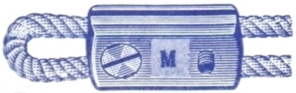


Fig. 2063

FLAT WIRE ROPE CLAMP

The best and quickest method of fastening the ends of small lines. The clamp is easily adjusted with a small screw driver. Finished in galvanized steel.

Diam. Rope, Inches........	1/8	3/16	1/4
Length, Inches............	1 5/8	1 3/4	1 3/4
Width, Inches.............	3/4	3/4	1
Packed per Box............	25	25	25

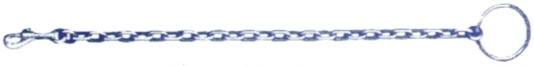


Fig. 2065

TRIMMING CHAIN

The trimming chain is used to connect the pipe batten and hanging iron of the flat. Height can be varied by removing or doubling up on the chain links. Packed individually.

Fig. 2066

TRIMMING CHAIN

Similar to Fig. 2065 except furnished with snap only. Packed individually.

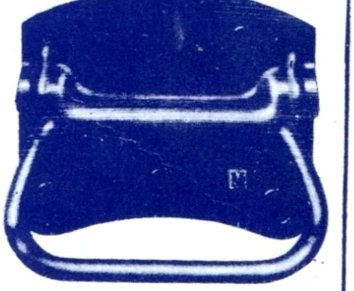


Fig. 2038

STEEL CHEST HANDLE

The steel chest handle is made of wrought steel with vertical corrugations reinforcing the stop. Provides a strong heavy duty handle with a comfortable grip. Used for chests or boxes where a sturdy handle is required.

Size- 3 3/8 in. x 2 3/4 in. x 5/16 in. wire. 4-No. 8x 3/4 in. flat head steel wood screws.
Packed 10 per box.

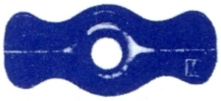


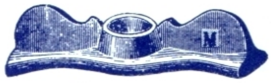
Fig. 2067

TURN BUTTON

Made of wrought steel, bright zinc plated.
Sizes- 1¾ inch & 2 inch.
Packed- 100 per box.

Fig. 2068

TURN BUTTON



Made of cast malleable iron, & heavily plated.
Sizes- 1¾ inch & 2 inch.
Packed- 100 per box.

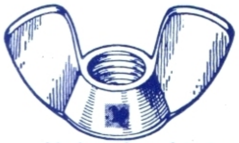


Fig. 2071

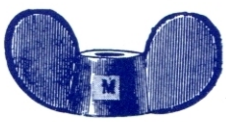
WING NUTS

Made of cold forged steel, plain finish.
Packed- 100 per box.

Size in inches...	3/16	1/4	5/16	3/8
Threads per inch	24	20	18	16

Fig. 2072

WING NUTS



Made of drop forged steel, plain finish.
Packed 100 per box.

Size in inches...	3/16	1/4	5/16	3/8
Threads per inch	24	20	18	16

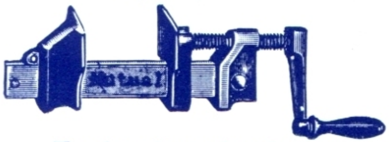


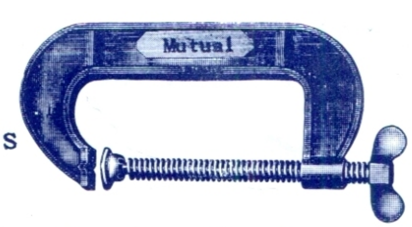
Fig. 2077

BAR CLAMP

The bar is made of the finest high grade steel, sliding arm is made of cast malleable iron. The screw is 5/8 inches in diameter and is made of case hardened steel.
Sizes Open- 2, 2½, 3, 4, 5, & 6 Feet.
Packed individually.

Fig. 2073

CARRIAGE CLAMPS



Size..........	2½	3	4	5	6	8
Max. Open., in.	2½	3	4	5	6	8
Throat Depth..	1¼	1 7/8	2 1/8	2 1/2	2 3/4	3 1/4

Packed individually

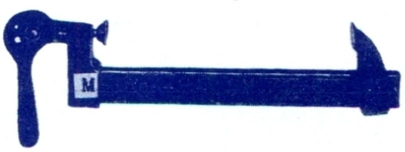


Fig. 2074

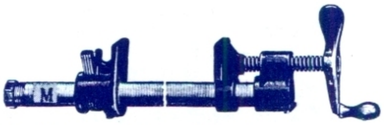
QUICK SCENERY CLAMP

Size..........	4	6	8	12
Max. Open., in.	4	6	8	12
Throat Depth..	2¼	2 3/8	3	3

Packed individually

Fig. 2705

PIPE CLAMP SET



Made of malleable iron fittings with a hardened steel screw. Furnished ready to screw on regular steel pipe threads. Foot has automatic clutch which will grip the pipe at any point.
Sizes for 1/2 inch & 3/4 inch pipe.
Packed individually.

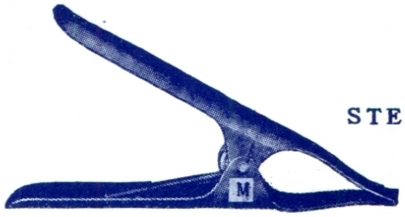


Fig. 2706

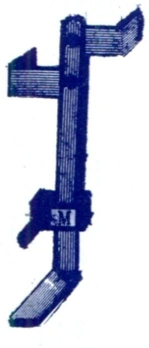
STEEL HANDY CLAMP

Made of wrought steel with an oil tempered spring. Has many uses in the theatrical shop and theatre.
Packed- 10 per box.

Size....................	1	2	3
Jaws open, inches.......	1	2	3
Length overall, inches...	4	6	9

Fig. 2078

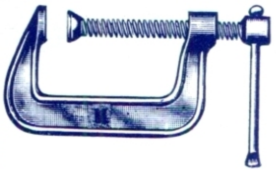
COME-ALONG CLAMP



Every theatrical carpenter will recognize this special clamp, designed to pull up and hold all types of flats. The jaws are set for normal 3" wide rails, however, can easily be used on smaller rails by blocking. A slide lock holds clamp in place once it is tightened.
Packed individually.

Fig. 2079

CABINET C CLAMP



Made with malleable iron frame with a steel screw and handle. A lightweight strong clamp with many uses.

Size................	1	2	2½	3
Jaw Opening, inches..	1	2	2½	3
Jaw Depth, inches....	1¼	1¼	2	2
Screw Dia., inches...	1/4	5/16	3/8	3/8

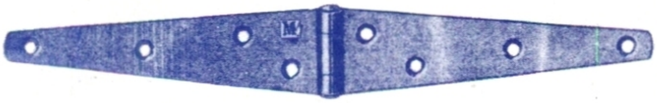


Fig. 2081

FAST PIN STRAPHINGES

Made of wrought steel with a fast pin. Holes are countersunk. Light pattern.

Length in inches........	3	4	5	6	8
Dia. of Wood Screw, No..	6	7	8	9	10
Packed per box, pairs...	12	12	6	6	6

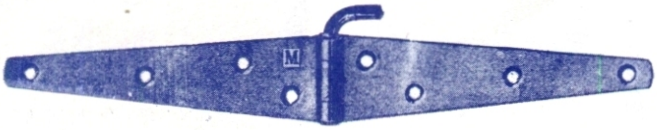


Fig. 2082

LOOSE PIN STRAPHINGES

Made of wrought steel with a loose bent pin. The holes are countersunk. Light pattern.

Length in inches........	6
Dia. of Wood Screw, No..	9
Packed per box, pairs...	6

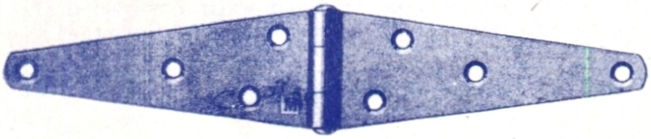


Fig. 2083

FAST PIN STRAPHINGES

Made of wrought steel with a fast pin. Holes are countersunk. Heavy pattern.

Length in inches........	4	5	6	8	10
Dia. of Wood Screw, No..	9	10	10	12	14
Packed per box, pairs...	6	6	3	3	1

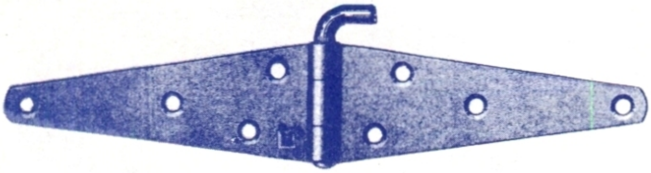
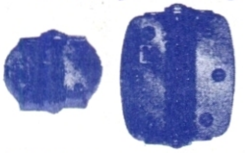


Fig. 2084

LOOSE PIN STRAPHINGES

Made of wrought steel with a loose bent pin. The holes are countersunk. Heavy pattern.

Length in inches........	6
Dia. of Wood Screw, No..	10
Packed per box, pairs...	3



1¼ Design 2 Design

Fig. 2098

SPRING HINGES

Made of wrought steel, brass plated, with a heavy duty spring. Packed 12 pairs per box.

Length in Inches..	1 1/4	2
Width in Inches...	1 9/16	1 3/4

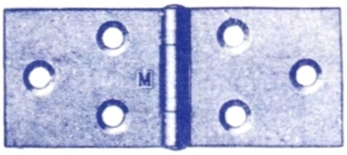


Fig. 2085

FAST PIN BACKFLAPS

Made of wrought steel with a fast pin. Holes are countersunk. Packed 12 pairs per box.

Size, length of joint.......	1½	1¾	2
Width open..................	2¾	3 3/16	3 11/16
Dia. of Wood Screws, No.....	8	8	8

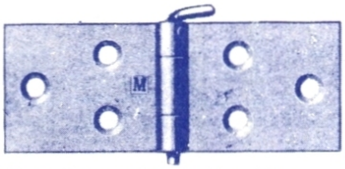


Fig. 2086

LOOSE PIN BACKFLAPS

Made of wrought steel with a loose bent pin. The holes are countersunk. Packed 12 pairs per box.

Size, length of joint.......	1½	1¾	2
Width open..................	2¾	3 3/16	3 11/16
Dia. of Wood Screw, No......	8	8	8

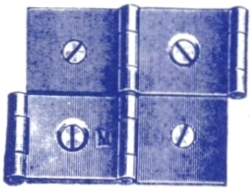


Fig. 2087

DOUBLE ACTING SCREEN HINGES

Made of wrought steel. Double acting for folding screens. Brass plated finish. Packed 12 pairs per box, with screws.

Size, for wood...	3/4	7/8	1	1 1/8	1 1/4
Length of joint..	1¾	1¾	1 7/8	1¾	2

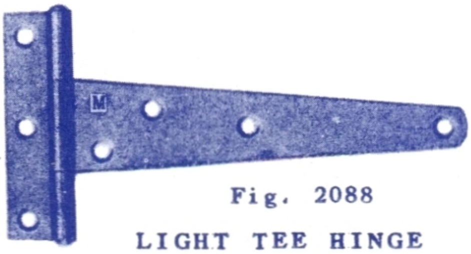


Fig. 2088

LIGHT TEE HINGE

Made of wrought steel with fast pin. Light pattern, with holes countersunk, less screws.

Size, length, in.......	3	4	5	6	8	10	12
Packed per box, pairs..	12	12	6	6	6	3	3

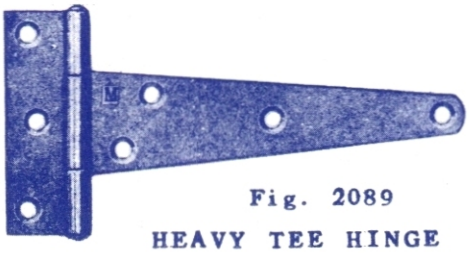


Fig. 2089

HEAVY TEE HINGE

Made of wrought steel with fast pin. Heavy pattern, with holes countersunk, less screws

Size, length, in.......	4	6	8	10	12
Packed per box, pairs..	6	3	3	3	3

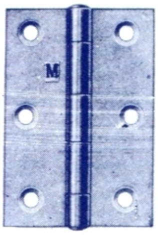


Fig. 2091

LIGHT NARROW HINGES
Fast Pin

Made of wrought steel with fast pin. Plain finish with holes countersunk. Packed 12 pair per box.

Length in Inches..	1	1 1/2	2	2 1/2	3
Width in Inches...	1 3/16	1 1/2	1 11/16	1 7/8	2 3/16

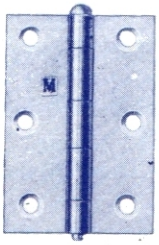


Fig. 2092

LIGHT NARROW HINGES
Loose Pin

Made of wrought steel with loose pin. Plain finish with holes countersunk. Packed 12 pairs per box.

Length in Inches..	1	1 1/2	2	2 1/2	3
Width in Inches...	1 3/16	1 1/2	1 11/16	1 7/8	2 3/16

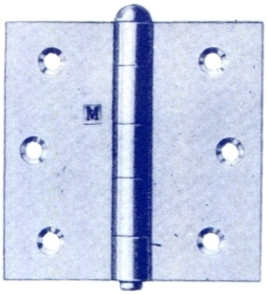


Fig. 2093

LOOSE PIN BROAD BUTTS

Made of wrought steel with loose pin. Plain finish with holes countersunk. Packed 12 pairs per box.

Size in Inches..2 x 2 2½ x 2½ 3 x 3 3½ x 3½

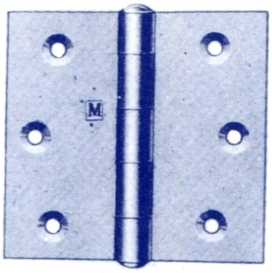


Fig. 2094

FAST PIN BROAD BUTTS

Made of wrought steel with fast pin. Plain finish with holes countersunk. Packed 12 pairs per box.

Size in Inches..2 x 2 2½ x 2½ 3 x 3 3½ x 3½

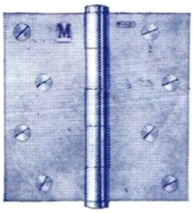


Fig. 2095

LOOSE PIN STEEL DOOR BUTTS

Made of wrought steel with flat button tip. Brass plated with non rising loose pin.

Size in Inches..	2 x 2	2½ x 2½	3 x 3	3½ x 3½
Packed per box..	3 prs	3 prs	1 pr	1 pr

Size in Inches..	4 x 4	4½ x 4½	5 x 5
Packed per box..	1 pr	1 pr	1 pr

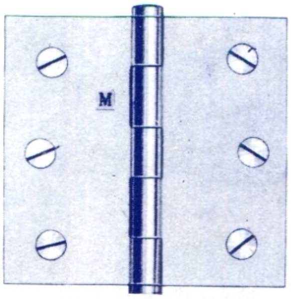


Fig. 2096

BROAD CABINET BUTTS

Made of wrought steel with flat button tip. Brass plated with non rising loose pin. Packed 6 pairs per box.

Size in Inches..2 x 2 2½ x 2 2½ x 2½ 3 x 3

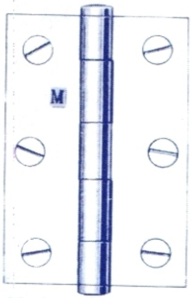


Fig. 2097

NARROW CABINET BUTTS

Made of wrought steel with flat button tip. Brass plated with non rising loose pin. Packed 6 pairs per box.

Length in Inches..	1 1/2	2	2 1/2	3
Width in Inches...	1 3/8	1 9/16	1 11/16	2

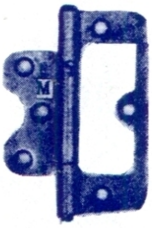


Fig. 2099

NON-MORTISE STEEL HINGE

Made of wrought steel with plain finish Holes are countersunk. One leaf of the hinge folds into the other. Ideal for stage scenery work.
Sizes- 2½, 3, 3½ and 4 inch joint.
Packed 24 pairs per box.

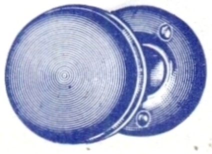


Fig. 8240
DOOR KNOBS

A two piece 2¼" diameter wrought steel knob with 5/16" spindle. Furnished without roses. Brass plated finish. Packed 12 pair in a box.

Fig. 8245
DOOR KNOBS

Same as Fig. 8240 except furnished with roses. Packed 12 pair in a box.

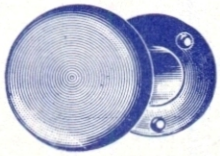


Fig. 8340
DOOR KNOBS

A one piece 2¼" diameter wrought brass seamless knob with 5/16" steel spindle. Furnished without roses. Packed 12 pair in a box.

Fig. 8345
DOOR KNOBS

Same as Fig. 8340 except furnished with roses. Packed 12 pair in a box.

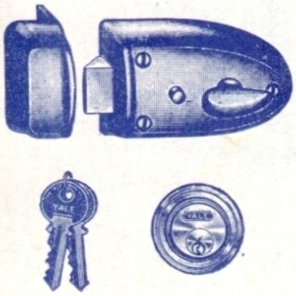


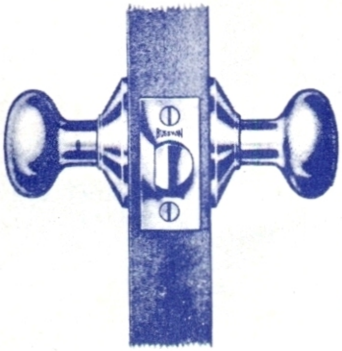
Fig. 042
YALE CYLINDER RIM DEADLATCH

For doors 1-1/8 to 2-1/4 inches thick, either right or left hand. Reversible for doors opening out. Opening in, use rim strike. Use flat strike when opening out. Packed 1 set in a box.

Fig. 210 Light Duty
Fig. 310 Medium Duty
Fig. 410 Heavy Duty

PASSAGE LATCHSET

Latch bolt by knob either side. Each knob always free.



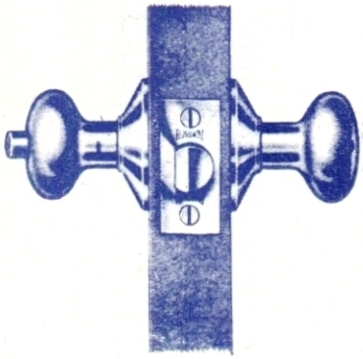


Fig. 220 Light Duty
Fig. 320 Medium Duty
Fig. 420 Heavy Duty

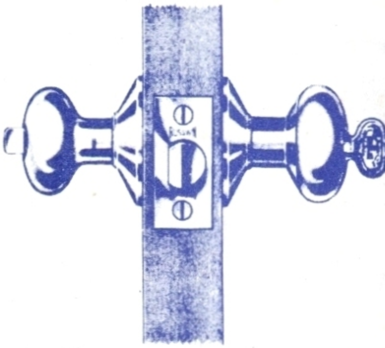
INTERIOR LOCKSET

Latch bolt by knob either side. Inside knob always free. Push button dead locks outside knob. Push button released by turning inside knob or closing door . . . also released by emergency key through outside knob.

Fig. 230 Light Duty
Fig. 340 Medium Duty
Fig. 440 Heavy Duty

EXTERIOR LOCKSET

Latch bolt by knob either side. Inside knob always free. Turn-button dead-locks outside knob. Key retracts latch bolt when outside knob is locked.



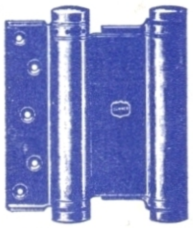


Fig. BT-3029
DOUBLE ACTING SPRING HINGES

Similar to Fig. BT-3000 except made for double acting doors. Prime coated finish. Packed 1 pair in a box.

Size, Inches............	3	4	5	6
For Door Thickness.....	¾-1	7/8-1¼	1-1/8-1½	1-3/8-1¾

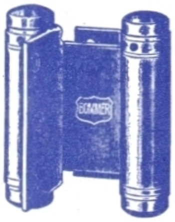


Fig. BT-3029 ½
DOUBLE ACTING SPRING HINGES

Similar to Fig. BT-3029 except that one half on hinge is for surface mounting. Prime coated finish. Packed 1 pair in a box.

Size, Inches...........	3	4	5	6
For Door Thickness....	¾-1	7/8-1¼	1-1/8-1½	1-3/8-1¾

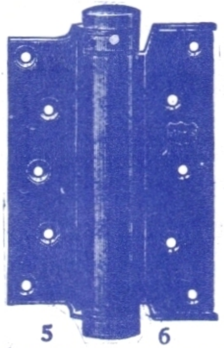


Fig. BT-3000
SINGLE ACTING SPRING HINGES

Made for closing doors automatically. No hanging strip is required. Made of planished steel. Barrel and the thick leaf for fastening to the door are of solid strong steel plate. Prime coated finish. Packed 1 pair in a box.

Size, Inches...........	3	4	5	6
For Door Thickness....	¾-1	7/8-1¼	1-1/8-1½	1-3/8-1¾

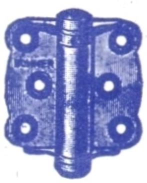
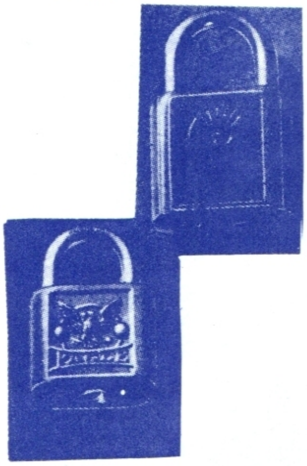


Fig. BT-2100
SCREEN DOOR SPRING HINGES

Made of heavy wrought steel. Oil tempered steel wire coil spring. Adjustable tension for regulating door to close slowly or quickly. Size: 3 x 3 inches. Packed 1 pair in a box.

Fig. 8230
STRAIGHT KNOB SPINDLE

A spindle having a 5/16" square for knobs having plain or threaded shanks. Has thread and knob screw holes at each end. Length is 4 inches. Packed 10 per box.



EAGLE PADLOCKS

Can be furnished keyed alike if desired.

Figure Number	Material Case	Material Shackle	Finish Case	Finish Shackle	Size of Case Height x Width	Shackle Opening
04281-PS	Extruded Brass	Case Hardened Steel	Polished & Lacquered	Cadmium Plated	1-1/2" x 1-1/2"	3/4"
4650	Rustless Alloy	Steel	Gray Lacquer	Nickel Plated	1-1/2" x 1-1/2"	3/4"
04831-B	Rustless Alloy	Case Hardened Steel	Black Lacquer	Nickel Plated	1-1/2" x 1-5/8"	13/16"
04831-BAN	Rustless Alloy	Case Hardened Steel	Black Lacquer	Nickel Plated	1-1/2" x 1-5/8"	1-1/2"
04851	Extruded Brass	Case Hardened Steel	Polished & Lacquered	Cadmium Plated	1" x 1"	1/2"
4872	Laminated Steel	Case Hardened Steel	Cadmium Plated	Nickel Plated	1-1/2" x 1-3/4"	13/16"
04867	Extruded Brass	Case Hardened Steel	Polished & Lacquered	Cadmium Plated	1-13/32"x 1-1/2"	29/32"
04867-FN	Extruded Brass	Case Hardened Steel	Polished & Lacquered	Cadmium Plated	1-13/32"x 1-1/2"	2-1/2"

Fig. 8335

RIM KNOB LOCK

A black japanned iron case lock. Cast iron latch and deadbolt. Can be operated by both key and knob from either side. Packed 6 locks per box.

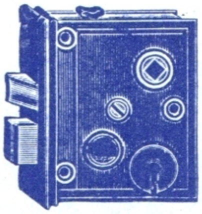
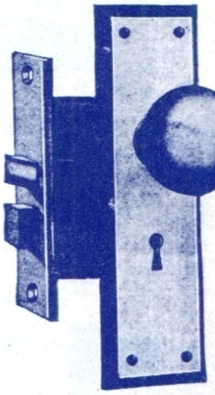


Fig. 7325

BIT KEY MORTISE LOCKSET

An inexpensive mortise lockset. The knob operates latch from either side and dead bolt operated by key. Brass plated trim with black japanned case. Packed 1 set in a box.



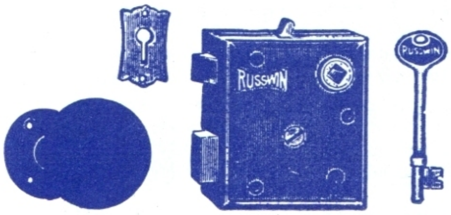


Fig. 7335

RIM LOCKSET

Black japanned iron case lock, 4 x 3¼ inches. Cast iron latch and deadbolt. Backset is 2¼ inches. Packed 1 set in a box.

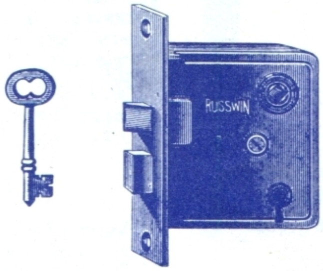


Fig. 8325

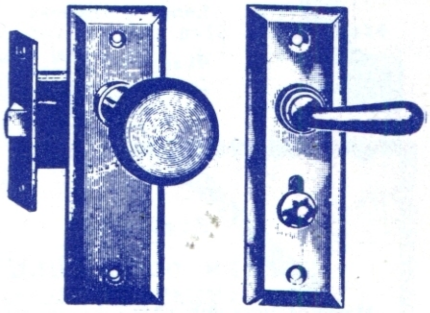
MORTISE INSIDE DOOR LOCK

A black japanned steel case lock with a dull brass plated face. Backset: 2-5/16 inches. Packed 6 locks per box.

Fig. 7310

SCREEN DOOR LOCKSET

A small brass plated lock which can be used for small doors. Packed 1 per box.



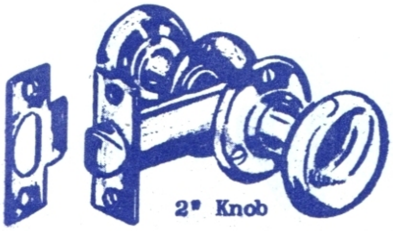


Fig. 7305

TUBULAR LATCHSET

A simple and inexpensive latchset used for scenery doors. Diameter of knob is 2". Dull brass plated finish. Packed 1 set in a box.

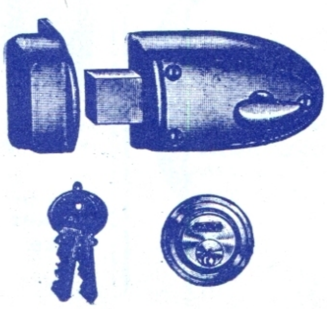


Fig. 2

YALE CYLINDER RIM DEADLOCK

For doors 1-1/8 to 2-1/4 inches thick, either right or left hand. Reversible for doors opening out. Opening in, use rim strike. Use flat strike when opening out. Packed 1 set in a box.

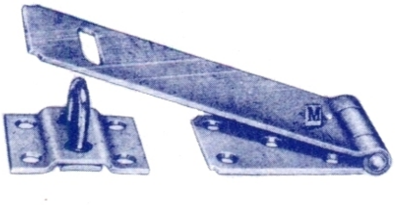


Fig. 2101

SAFETY HASP

Adjustable Staple

Made of wrought steel. All screws are concealed and cannot be removed when hasp is in the locked position. Plain finish, packed 12 per box.

Sizes- 3½, 4½ & 6 inches.

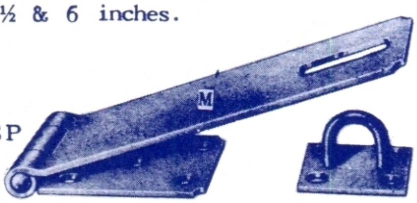


Fig. 2102

SAFETY HASP

Fixed Staple

Made of wrought steel. All screws are concealed and cannot be removed when hasp is in the locked position. Plain finish, packed 12 per box.

Sizes- 3½, 4½ & 6 inches.

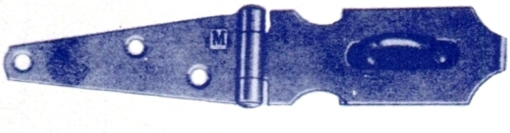


Fig. 2103

HINGE HASP

Made of wrought steel with plain finish. Holes are countersunk. Packed 12 per box.

Sizes- 3, 4½, 6 & 8 inches

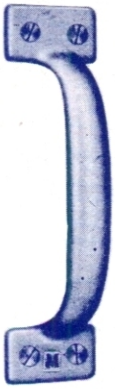


Fig. 2106

DOOR PULL

Made of wrought steel with black japanned finish. Holes countersunk. Packed with screws, 12 per box.

Size No.........	1	2
Length, inches..	5x1¼	5¾x1½
Size No.........	3	4
length, inches..	6½x1¾	7¾x2¼

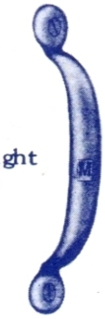


Fig. 2107

SCREEN DOOR PULL

Made of wrought steel brass plated. Light pattern used for screen & light doors.
Size- 5 inches overall
Packed 36 per box.

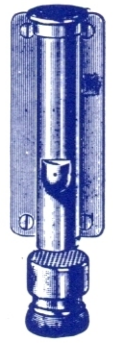


Fig. 2112

DOOR HOLDER

Made of cold rolled steel. heavily brass plated. Rubber tip on plunger is of soft rubber and easily replaced.
Size- 6 5/8 inches overall.
Packed 3 in a box.

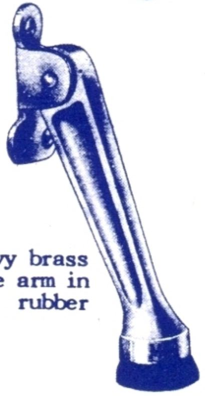
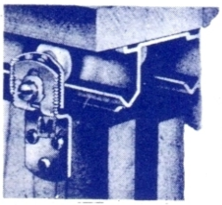


Fig. 2113

DOOR HOLDER

Made of wrought steel with a heavy brass plating. A wedge action holds the arm in a retracted position. Foot is of rubber and easily replaced.
Size- 5 inches overall.
Packed 6 in a box.



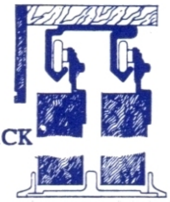


Fig. 2800

SLIDING DOOR TRACK SETS

Made of wrought steel, bonderized and sprayed aluminum. Can be used for 3/4 or 1 3/8 inch doors. Uses nylon permanently lubricated rollers. Set is for two by-passing doors. Packed one set in a box.
For size opening- 4, 6 & 8 foot.

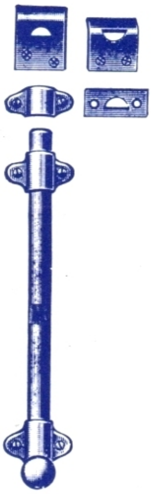


Fig. 2119

SURFACE BOLT

Made of wrought steel. Furnished with 3/8 inch half round bolt with 1 inch throw. Furnished with flat, universal, angle & guide strikes. Dull brass finish. Packed 12 per box.
Sizes-3, 4 & 6 inches.

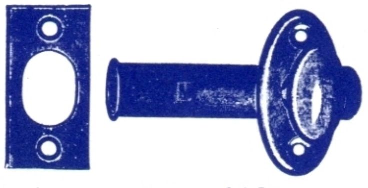


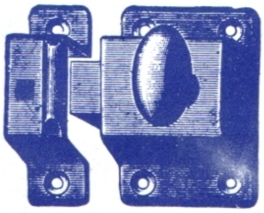
Fig. 2121

MORTISE BOLT

Made of wrought steel with dull brass finish. Backset is 1¾ inches. Bolt throw is ½ inch.
Packed 12 per box.

Fig. 2122

CUPBOARD TURN



Made of wrought steel with dull brass finish. Size without strike is 1 5/8 x 1 1/4 inches. The turn knob retracts the latch bolt. Packed 12 per box with screws.

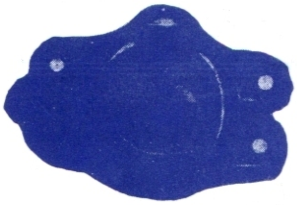


Fig. 2123

SASH FASTENER

Made of cast iron with dull brass finish. The length of case is 2½ inches. Packed 12 per box with screws.

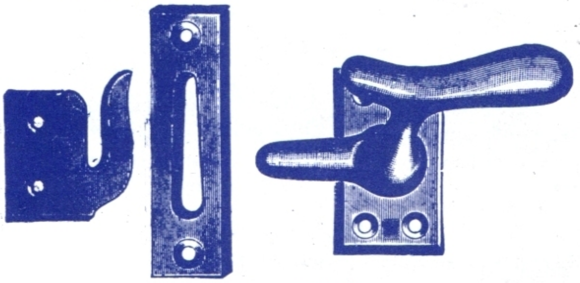


Fig. 2124

CASEMENT FASTENER

Made of cast iron lever with stamped steel base and strikes. Furnished with both mortise and rim strikes. Dull brass plated finish. Size of base 1 1/8 x 1 7/8 inches. Packed 12 per box with screws.

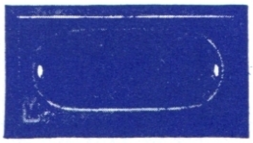
Fig. 2125

BAR SASH LIFT

Made of cast iron with a dull brass finish. Packed 12 per box with screws. Size- 4 inches overall.

Fig. 2126

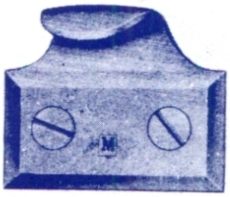
FLUSH SASH LIFT



Made of wrought steel with dull brass finish. Furnished with all edges beveled and side screw holes. Packed 24 per box. Size- 3 x 1 9/16 inches.

Fig. 2127

HOOK SASH LIFT



Made of wrought steel with dull brass finish. Size of plate is 1 5/8 x 13/16 inches. Packed 36 per box with screws.

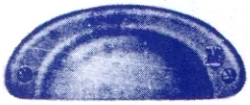


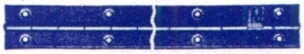
Fig. 2128

BRASS PLATED PULLS

Made of wrought steel with dull brass finish. Can be used for drawer pull or sash lift. Size is 3 11/16 x 1 7/16 inches. Packed 36 per box with screws.

Fig. 2136

CONTINUOUS HINGE



Made of .045 gauge wrought steel with polished chrome finish. Screw holes are 2 inches apart. Width when open, 1 1/16 inches. Furnished in 6' lengths. Packed 25 lengths per carton.

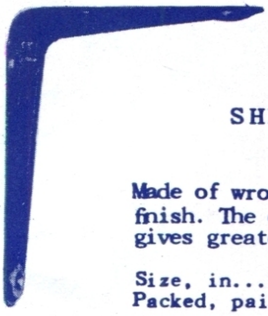


Fig. 2133

SHELF BRACKETS

Made of wrought steel with japanned finish. The deep ribbed construction gives greater strength.

Size, in.	3x4	4x5	5x6	6x8
Packed, pairs	12	12	6	6

Size, in.	7x9	8x10	10x12	12x14
Packed, pairs	6	3	3	3

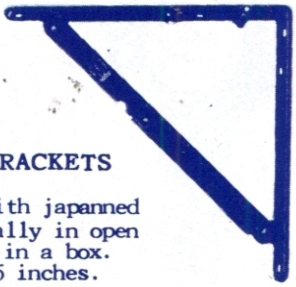


Fig. 2134

FOLDING SHELF BRACKETS

Made of wrought steel with japanned finish. Locks automatically in open position. Packed 1 pair in a box. Sizes- 8x8, 12x12, 16x16 inches.

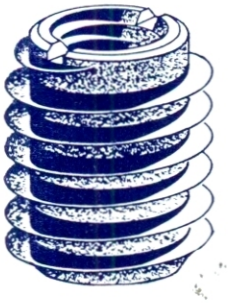


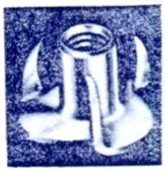
Fig. 2537

KNIFE THREAD INSERT

A steel machine screw thread in wood by using an insert with a knife thread to bite into wood. Will not crush the wood fibers.
Packed 100 per box.
Screw Sizes- 8-32 & 10-24.
Bolt Sizes - 3/16, 1/4, 5/16 & 3/8.

Fig. 2538

TEE-NUTS



Puts steel threads in wood. Ideal for uses with stovebolts and machine screws. A quick and safe method of all fastenings in scenery manufacture.
Packed 100 per box.
Sizes...3/16, 1/4 & 3/8.

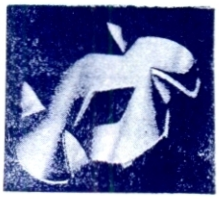


Fig. 2536

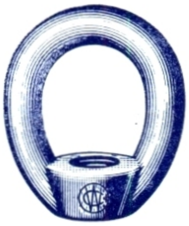
TORQUE WASHERS

A unique washer used to prevent the head of a carriage bolt from turning. Each washer has 4 bite-in teeth to firmly grip the wood.
Packed 100 per box.
Bolt Sizes- 1/4, 5/16, & 3/8.

Fig. 3679

EYE NUTS

Made of weldless drop forged steel with a heavy galvanized coating. Packed 10 per box.



Dimension in Inches

Bolt Size	I.D. Eye	Dia. Stock
1/4	3/4 x 7/8	1/4
5/16	3/4 x 7/8	1/4
3/8	7/8 x 1¼	5/16
1/2	1¼ x 1½	3/8

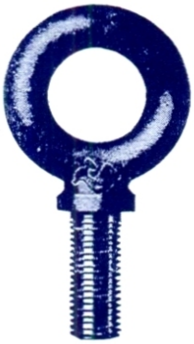


Fig. 3222

SHOULDER EYEBOLT

Made of drop forged steel. Used to pin scenery down. Large eye can accomodate a 5/8 or 3/4 inch rope. Made threaded to the shoulder.
Size- 3/8-16, I.D.Eye-1".
Packed 10 per box.

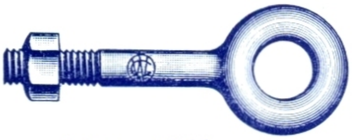


Fig. 3220

REGULAR NUT EYEBOLT

Made of weldless drop forged steel with a heavy galvanized coating. Packed 10 per box.

Dimensions in Inches

Diameter	Lgth. of Shank	I.D. Eye	Thread Lgth.
1/4	2	1/2	3/4
1/4	4	1/2	2 1/2
5/16	2¼	5/8	3/4
5/16	4¼	5/8	2 1/2
3/8	2½	3/4	1 1/8
3/8	4½	3/4	2 1/2
1/2	3¼	1	1 1/2
1/2	6	1	3

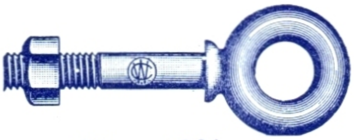


Fig. 3221

SHOULDER NUT EYEBOLT

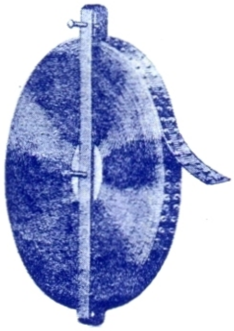
Made of weldless drop forged steel with a heavy galvanized coating. Packed 10 per box.

Dimensions in Inches

Diameter	Lgth. of Shank	I.D. Eye	Thread Lgth.
1/4	2	1/2	3/4
1/4	4	1/2	2 1/2
5/16	2¼	5/8	3/4
5/16	4¼	5/8	2 1/2
3/8	2½	3/4	1 1/8
3/8	4½	3/4	2 1/2
1/2	3¼	1	1 1/2
1/2	6	1	3

Fig. 2175

STEEL STRAPPING



Made of annealed soft wrought steel with black japanned finish. Edges rounded to prevent cutting the hands. Ribs along center allow nails to be driven obliquely and prevents nails from any slipping. Width is 3/4 inches & approx. 12 lbs a coil. Packed individually.

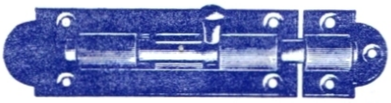


Fig. 2114

BARREL BOLT

Made of wrought steel, japanned. Packed 12 per box. Light pattern.

Sizes- 3, 4, 5 & 6 inches

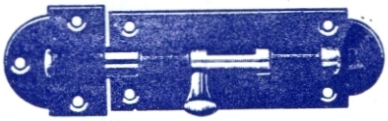


Fig. 2115

BARREL BOLT

Made of wrought steel, japanned. Packed 12 per box. Heavy pattern

Sizes- 4, 6, & 8 inches.

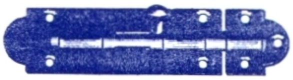


Fig. 2116

BARREL BOLT

Made of wrought steel, heavily brass plated. Packed 12 per box with screws.

Sizes- 3 & 5 inches.

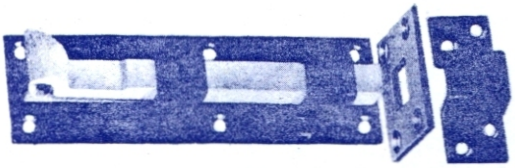


Fig. 2117

SQUARE BOLT

Made of wrought steel. Furnished with heavy steel spring which holds the cadmium plated square bolt in position. Case is japanned finish. Packed 12 per box.

Sizes- 3, 4, 5, 6 & 8 inches.

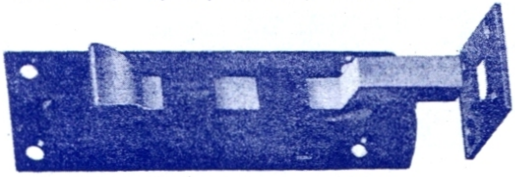


Fig. 2118

SQUARE NECK BOLT

Made of wrought steel. Furnished with heavy steel spring which holds the cadmium plated neck bolt in position. The case is japanned finish. Packed 12 per box.

Sizes- 3, 4, 5, 6 & 8 inches.

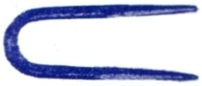


Fig. 2174

STEEL STAPLES

Made of wrought steel with plain finish. Diamond point ends. Packed 100 per box.

Sizes- 1, 1¼, 1½, 2, 2½, 3, 3½, & 4 inches.

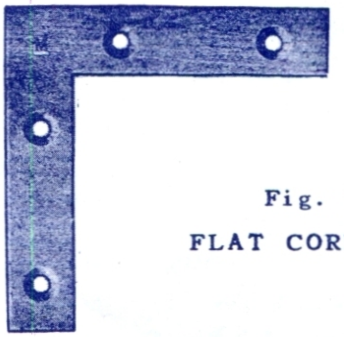


Fig. 2170

FLAT CORNER IRONS

Made of wrought steel with plain finish. Holes are countersunk. Packed 24 per box.

Size of Sides, in..	2	2½	3	3½	4	5	6	8
Width, inches......	3/8	1/2	1/2	5/8	3/4	7/8	7/8	1½

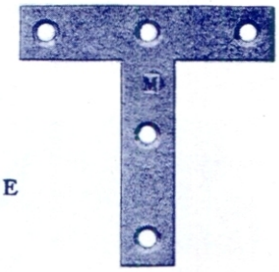


Fig. 2171

FLAT TEE PLATE

Made of wrought steel with plain finish. Holes are countersunk. Packed 24 per box.

Size, inches....	2½ x 2½	3 x 3	4 x 4	5 x 5	6 x 6
Width, inches...	1/2	5/8	3/4	1	1 1/8

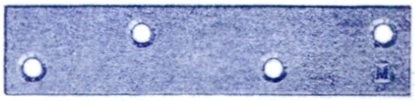


Fig. 2172

MENDING PLATES

Made of wrought steel with plain finish. Holes are countersunk. Packed 24 per box.

Length, in..	2	2½	3	4	5	6	8	10	12
Width, in..	5/8	5/8	3/4	7/8	1	11/8	1¼	1¼	1¼

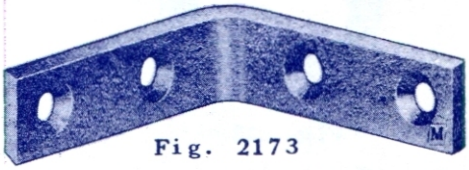


Fig. 2173

CORNER BRACES

Made of wrought steel with plain finish. Holes are countersunk on inside. Packed 24 per box.

Size of sides, in..	1	1½	2	2½	3	3½
Width, inches......	1/2	1/2	5/8	5/8	3/4	3/4

Size of sides, in...	4	5	6	8
Width of sides, in..	7/8	1	11/8	11/8

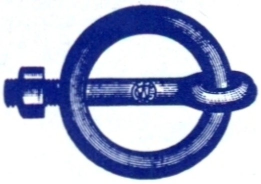


Fig. 3212

REGULAR NUT RINGBOLT

Made of weldless drop forged steel with a heavy galvanized coating. Packed 10 per box.

Dimension in Inches

Diameter	Lgth. of Shank	I.D. Ring	Thread Lgth.
1/4	2	1¾	3/4
1/4	4	1¾	2 1/2
5/16	2¼	2	3/4
5/16	4¼	2	2 1/2
3/8	2½	2	1 1/8
3/8	4½	2	2 1/2
1/2	3¼	2½	1 1/2
1/2	6	2½	3

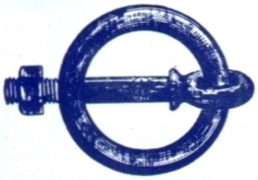


Fig. 3213

SHOULDER NUT RINGBOLT

Made of weldless drop forged steel with a heavy galvanized coating. Packed 10 per box.

Dimension in Inches

Diameter	Lgth. of Shank	I.D. Ring	Thread Lgth.
1/4	2	1¾	3/4
1/4	4	1¾	2 1/2
5/16	2¼	2	3/4
5/16	4¼	2	2 1/2
3/8	2½	2	1 1/8
3/8	4½	2	2 1/2
1/2	3¼	2½	1 1/2
1/2	6	2½	3

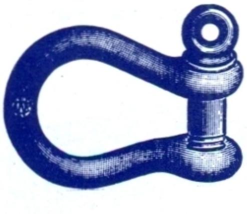


Fig. 3290

SCREW PIN SHACKLES

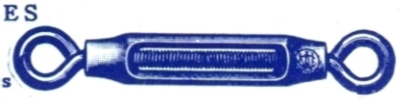
Made of weldless drop forged steel with a heavy galvanized coating. Packed 10 per box.

Dimension in Inches

Size	Lgth. Inside	Between Eye	Pin Dia.
3/16	7/8	7/16	1/4
1/4	1 1/16	7/16	5/16
5/16	1 1/4	9/16	3/8
3/8	1 1/2	5/8	7/16
1/2	2	7/8	5/8

Fig. 3051

LIGHT TURNBUCKLES
Eye & Eye

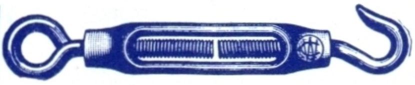


Dimensions in Inches

Size	Bolt Size	Takeup
2	5/32	7/8
3	3/16	1 1/8
4	7/32	1 1/2
5	1/4	2 5/16
6	5/16	2 3/8
7	3/8	2 5/8

Fig. 3052

LIGHT TURNBUCKLES
Hook & Eye



Dimension in Inches

Size	Bolt Size	Takeup
2	5/32	7/8
3	3/16	1 1/8
4	7/32	1 1/2
5	1/4	2 5/16
6	5/16	2 3/8
7	3/8	2 5/8

OPEN TURNBUCKLES
Galvanized

Made of weldless drop forged steel with a heavy galvanized coating. Individually packed.

Fig. 3301 - Hook & Eye

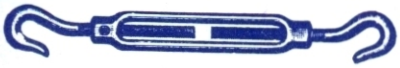


Fig. 3302 - Hook & Hook

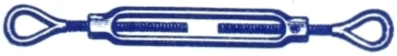


Fig. 3303 - Eye & Eye

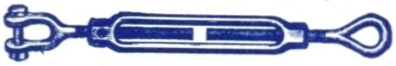


Fig. 3304 - Jaw & Eye

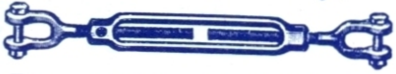


Fig. 3305 - Jaw & Jaw

Bolt Size......	1/4	5/16	3/8	1/2
Takeup, In.....	4	4½	6	6
Lgth. Closed, In.	7½	8½	11	12

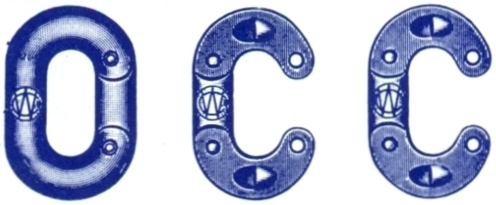


Fig. 3661

MISSING LINKS
Drop Forged Steel

Size, Inches.....	3/16	1/4	5/16	3/8
Width, Inches.....	3/4	1	1¼	1 3/8
Length, Inches....	1¼	1½	1¾	2

Packed 10 per box.

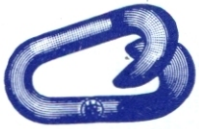


Fig. 3660

LAP LINKS

Size, Inches...	3/16	1/4	5/16	3/8	1/2
Width, Inside...	1/2	1/2	3/ 4	3/4	1
Length, Inside..	1¼	1¼	1½	1¾	2½

Packed 10 per box.

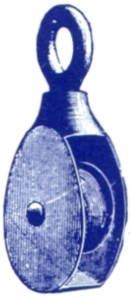


Fig. 3173

SWIVEL EYE PULLEY

Galvanized
Single

Dia. Sheave, In...	¾	1	1½	2	2½
For Dia. Rope, In.	3/16	1/4	3/8	7/16	5/8

Packed 10 per box.

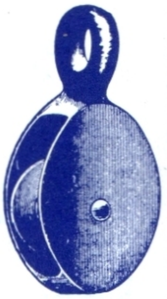
Fig. 3174

FAST EYE PULLEY

Galvanized
Single

Dia. Sheave, In...	¾	1	1½	2	2½
For Dia. Rope, In.	3/16	1/4	3/8	7/16	5/ 8

Packed 10 per box.



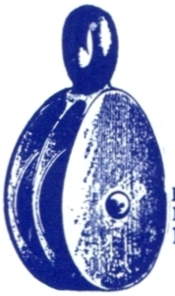


Fig. 3176

FAST EYE PULLEY

Galvanized
Double

Dia. Sheave, In...	¾	1	1½	2	2½
For Dia. Rope, In.	3/16	1/4	3/8	7/16	5/8

Packed 10 per box.

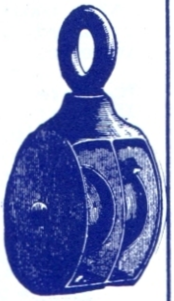
Fig. 3178

SWIVEL EYE PULLEY

Galvanized
Double

Dia. Sheave, In...	¾	1	1½	2	2½
For Dia. Rope, In.	3/16	1/4	3/8	7/16	5/8

Packed 10 per box.



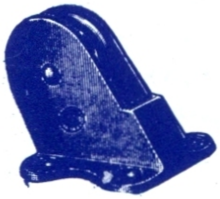


Fig. 3365

FLOOR PULLEY

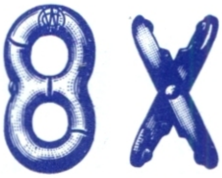
Galvanized
Single

Dia. Sheave, In...	2	2½
For Dia. Rope, In.	5/16	3/8

Packed individually.

Fig. 3662

SWING LINKS



Drop Forged Steel

Size, Inches.....	1/4	5/16	3/8	1/2
Width, Inches.....	15/16	1 1/32	1 11/32	1 21/32
Length, Inches...	1 29/32	2⅛	2 17/32	3 3/16
I. D. Eye, Inches...	⅜	⅜	9/16	⅝

Packed 10 per box.

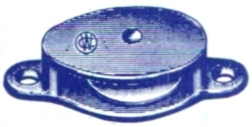


Fig. 3382

SIDE PULLEY

Galvanized
Single

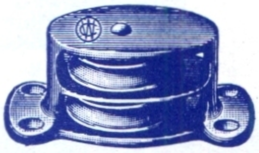
Dia. Sheave, In...	1	1¼	1½	2	2½	3
For Dia. Rope, In.	1/4	5/16	3/8	1/2	5/8	3/4

Packed individually.

Fig. 3383

SIDE PULLEY

Galvanized
Double



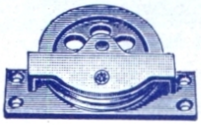
Dia. Sheave, In...	1¼	1½	2
For Dia. Rope, In.	5/16	3/8	1/2

Packed individually.

Fig. 3805

SIDE PULLEY

Galvanized
Single



Size Sheave, In......	3¼ x ½	4½ x ¾
For Dia. Rope, In.....	1/4	3/8

Packed individually.

Fig. 3806

SIDE PULLEY

Galvanized
Double

Size Sheave, In......	3¼ x ½	4½ x ¾
For Dia. Rope, In.....	1/4	3/8

Packed individually.

Fig. 3802

FLOOR PULLEY

Galvanized
Single

Size Sheave, In......	3¼ x ½	4½ x ¾
For Dia. Rope, In.....	1/4	3/8

Packed individually.

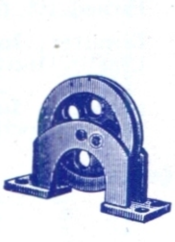


Fig. 3803

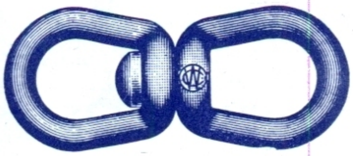
FLOOR PULLEY

Galvanized
Double

Size Sheave, In......	3¼ x ½	4½ x ¾
For Dia. Rope, In.....	1/4	3/8

Packed individually.

Fig. 3676
EYE & EYE SWIVEL



Made of drop forged steel with a heavy galvanized coating Both eyes are the same size. Packed 10 per box.

Size, Inches	1/4	5/16	3/8	1/2	5/8	3/4
Length, Inches	3-3/8	3/3/4	5-1/4	6	7-1/4	8- 1/2

Size, Inches	1/4	5/16	3/8	1/2	5/8	3/4
Length, Inches	3-3/8	3-3/4	5-1/4	6	7-1/4	8-1/2
Width Inside. In.	3/4	7/8	1-3/8	1-1/2	1-3/4	2

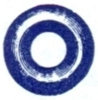


Fig. 536
BRASS COUNTERSUNK FINISHING WASHERS

Made of wrought brass with a polished nickel plated finish. Packed 1000 per box.

Screw Sizes 4, 6, 8, 10 & 12.

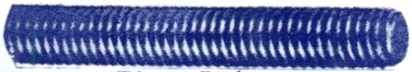


Fig. 771
STEEL THREADED RODS
Continuous Thread

Size Wire	8	10	1/4	5/16	3/8	1/2
Threads per Inch.	32	24	20	18	16	13

Available in 36" & 72" lengths. Packed 10 to a bundle.

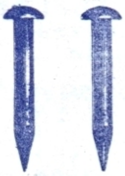
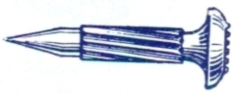


Fig. 305
BRASS ESCUTCHEON PINS
1 pound boxes

Length, Inch	3/8	3/8	1/2	5/8
Gauge, No.	18	16	18	18

Length, Inch	5/8	3/4	3/4	1	1
Gauge, No.	16	18	16	18	16

Fig. 323
MASONRY NAILS



Made of hardened steel. For fastening to brick, mortar, concrete, etc. Zinc plated finish. Packed 100 per box.

Diameter, Inch	3/32	1/8	5/32	3/16
Length, Inches	1/2	3/4	1	1 1/4

Diameter, Inch		1/4	1/4	1/4
Length, Inches		1 1/2	2	2 1/2

Fig. 322
GIMP TACKS

A sterilized blued tack used in the scenic as well as the upholstery industry. Packed in 1 pound boxes.

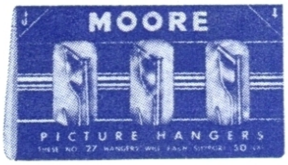
Size, No.	2½	3	4
Length, Inch	3/8	7/16	1/2

Fig. 9003
FRICTION TAPE

This tape has an extra adhesive quality and its tensile strength is unusually high. Packed 1 roll in a cellophane wrapping.

Fig. 9234
MOORE PUSH-LESS HANGERS

A nickel plated steel hook with tempered steel nail. Packed in cellophane sealed packets, one dozen packets in a carton.



Size No.	24	25	27	28
Will hold, Pounds	10	20	50	100
Number per Packet	6	5	3	2

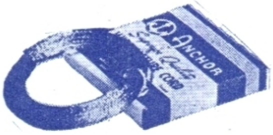


Fig. 9236
PICTURE WIRE

Made of a fine drawn tinned wire. Will support heavy loads. Packed in 25 foot coils & 5 pound spools.

Size No.	1	2	3	4	5	6
No. of Strands	8	12	16	20	24	28

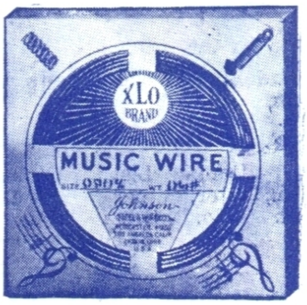


Fig. 9237
MUSIC WIRE

Specially made for mechanical purposes where an extra tensile strength is required. Packed in 1 lb. packages.

No. Wire	6	8	10	14	16	18
Diameter	.016	.020	.024	.033	.037	.041
Ft. per lb.	1465	937	651	344	274	223

No. Wire	20	22	24	26	28	30
Diameter	.045	.049	.055	.063	.071	.080
Ft. per lb.	185	156	124	94	74	58

Fig. 7703
STONE WIRE

A soft galvanized steel wire. 12 pounds per stone, available in 16, 18 & 20 gauge wire.

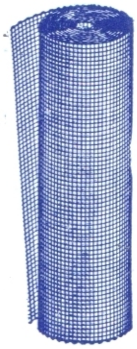


Fig. 7704

FORMING CLOTH

A pliable soft black wire, woven but not welded, used for making all types of scenery shapes. Roll-36" Wide x 100 Lineal Feet.

Fig. 7705

PLASTIC COATED WIRE MESH

An 18 x 14 galvanized screen cloth covered with a fine translucent plastic coating. An excellent light diffuser.

Length of Roll...	25'	50'	100'	100'
Width of Roll....	36"	36"	36"	48"

Fig. 7701

HEX MESH NETTING

Galvanized after Weaving

A strong soft woven mesh which is galvanized after weaving.

Size Hex	Width of Roll	Lineal Ft Per Roll
1"	30"	150
1"	36"	150
1"	48"	150
2"	36"	150
2"	48"	150

Fig. 7702

HARDWARE CLOTH

A strong woven mesh which is hot galvanized after weaving.

Mesh Size...	2x2	2x2	2x2	4x4	4x4	4x4
Roll Width..	30"	36"	48"	30"	36"	48"
Roll Length.	100'	100'	100'	100'	100'	100'

ONE POUND
AMERICAN
STEEL WOOL
GRADE NO.

Fig. 1028

STEEL WOOL ROLLS

1 pound packages

Fig. 1029

STEEL WOOL PADS

1 pound packages

Grades Of Steel Wool

Number.....	000	00	0	1	2	3
Grade..	Extra Fine	Verv Fine	Fine	Med.	Md. Course	Course

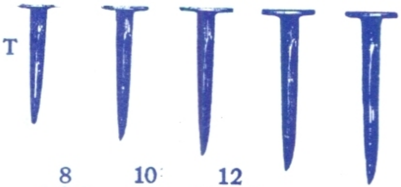


Fig. 335

UPHOLSTERERS' CUT TACKS

Blued

1 lb. boxes or 25 & 100 lb. bulk

Size No.........	4	6	8	10	12
Length, Inch...	7/16	1/2	9/16	5/8	11/16

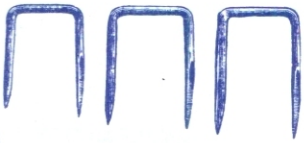


Fig. 325

DOUBLE POINTED TACKS

1 pound boxes

No.......	10	12	14
Lgth, In.	1/2	5/8	11/16

Fig. 315

WIRE NAILS

1 pound boxes

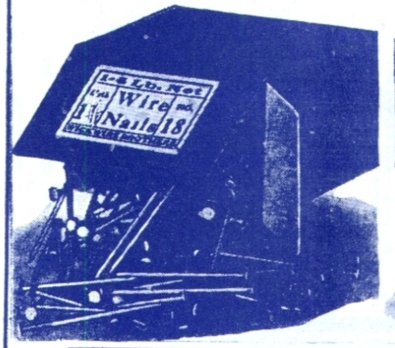
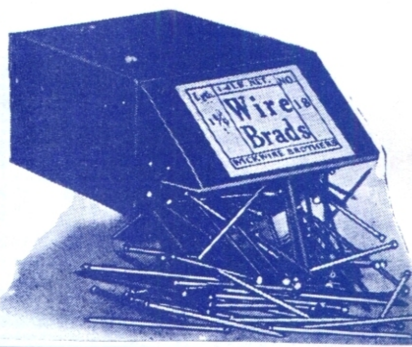


Fig. 310

WIRE BRADS

1 pound boxes



	Flat Head Nails	Brads
3/16"		
20 Ga....	$1.54	$1.78
21 Ga....	2.11	2.41
22 Ga....	2.69	3.08
23 Ga....	3.35	3.93
24 Ga....	3.59	4.36
1/4"		
19 Ga....	$1.10	$1.20
20 Ga....	1.32	1.44
21 Ga....	1.66	1.82
22 Ga....	2.06	2.27
23 Ga....	2.60	2.87
24 Ga....	3.36	3.70
3/8"		
18 Ga....	$0.69	$0.76
19 Ga....	.87	.95
20 Ga....	1.07	1.15
21 Ga....	1.26	1.36
22 Ga....	1.76	1.89
23 Ga....	1.96	2.13
24 Ga....	2.16	2.38
1/2"		
14 Ga....	$0.39	$0.42
15 Ga....	.41	.45
16 Ga....	.46	.49
17 Ga....	.51	.56
18 Ga....	.61	.66
19 Ga....	.74	.81
20 Ga....	.87	.97
21 Ga....	1.04	1.14
22 Ga....	1.41	1.54
23 Ga....	1.51	1.67
5/8"		
13 Ga....	$0.39	$0.42
14 Ga....	.39	.42
15 Ga....	.41	.44
5/8" (Continued)		
16 Ga....	$0.46	$0.49
17 Ga....	.48	.51
18 Ga....	.54	.57
19 Ga....	.64	.69
20 Ga....	.76	.81
21 Ga....	.88	.95
22 Ga....	1.14	1.21
3/4"		
13 Ga....	$0.37	$0.40
14 Ga....	.37	.40
15 Ga....	.38	.41
16 Ga....	.39	.42
17 Ga....	.42	.45
18 Ga....	.48	.52
19 Ga....	.57	.62
20 Ga....	.68	.73
21 Ga....	.79	.84
7/8"		
13 Ga....	$0.35	$0.38
14 Ga....	.36	.39
15 Ga....	.37	.40
16 Ga....	.38	.41
17 Ga....	.40	.43
18 Ga....	.45	.48
19 Ga....	.55	.58
20 Ga....	.63	.67
1" & 1 1/8"		
12 Ga....	$0.34	$0.37
13 Ga....	.34	.37
14 Ga....	.35	.38
15 Ga....	.35	.38
16 Ga....	.36	.39
17 Ga....	.37	.40
18 Ga....	.43	.46
19 Ga....	.52	.55
20 Ga....	.61	.64
1 1/4" & 1 3/8"		
12 Ga....	$0.32	$0.35
13 Ga....	.32	.35
14 Ga....	.32	.35
15 Ga....	.33	.36
16 Ga....	.34	.37
17 Ga....	.36	.39
18 Ga....	.37	.40
1 1/2" & 1 5/8"		
12 Ga....	$0.31	$0.34
13 Ga....	.31	.34
14 Ga....	.31	.34
15 Ga....	.33	.36
16 Ga....	.33	.36
17 Ga....	.35	.38
18 Ga....	.35	.38
1 3/4"		
12 Ga....	$0.30	$0.33
13 Ga....	.30	.33
14 Ga....	.30	.33
15 Ga....	.32	.35
16 Ga....	.32	.35
17 Ga....	.34	.37
2"		
12 Ga....	$0.30	$0.33
13 Ga....	.30	.33
14 Ga....	.30	.33
15 Ga....	.31	.34
16 Ga....	.31	.34
2 1/4"		
12 Ga....	$0.29	$0.32
13 Ga....	.30	.33
14 Ga....	.30	.33
2 1/2" & 3"		
10 Ga....	$0.28	$0.31
11 Ga....	.28	.31
12 Ga....	.28	.31
13 Ga....	.29	.32

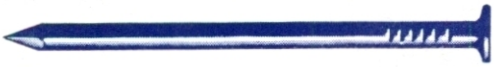


Fig. 331

BRIGHT COMMON WIRE NAILS

5 lb. packages or 100 lb. kegs

Size	Length Inches	Gauge Number	Diameter Hd. Gauge	Approx. No. Per Pound
2d	1	15	11/64	876
3d	1¼	14	13/64	568
4d	1½	12½	1/4	316
6d	2	11½	17/64	181
8d	2½	10¼	9/32	106
10d	3	9	5/16	69
16d	3½	8	11/32	49
20d	4	6	13/32	31
40d	5	4	15/32	18
60d	6	2	17/32	11

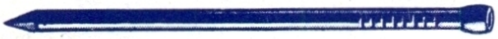


Fig. 332

BRIGHT FINISHING NAILS

5 lb. packages or 100 lb. kegs

Size	Length Inches	Gauge Number	Diameter Hd. Gauge	Approx. No. Per Pound
2d	1	16½	13½	1351
3d	1¼	15½	12½	807
4d	1½	15	12	584
6d	2	13	10	309
8d	2½	12½	9½	189
10d	3	11½	8½	121
16d	3½	11	8	90
20d	4	10	7	62

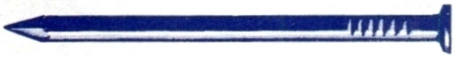


Fig. 333

COATED COMMON WIRE NAILS

5 lb. packages or 100 lb. kegs

Size	Length Inches	Gauge Number	Diameter Hd. Gauge	Approx. No. Per Pound
2d	1	16	11/64	1084
3d	1-1/8	15½	3/16	848
4d	1-3/8	14	7/32	488
5d	1-5/8	13½	15/64	364
6d	1-7/8	13	1/4	275
7d	2-1/8	12½	17/64	212
8d	2-3/8	11½	9/32	142
10d	2-7/8	11	19/64	104

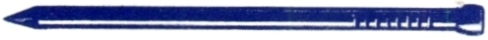


Fig. 334

COATED FINISHING NAILS

5 lb. packages or 100 lb. kegs

Size	Length Inches	Gauge Number	Diameter Hd. Gauge	Approx. No. Per Pound
4d	1½	15	12	584
6d	2	13	10	309
8d	2½	12½	9½	189
10d	3	11½	8½	121

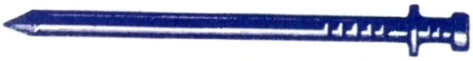


Fig. 337

DOUBLE HEADED NAILS

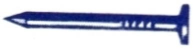
5 lb. packages or 100 lb. kegs

Size	Length—Inches To Bottom of Upper Head	Length—Inches To Bottom of Lower Head	Gauge No.	Diameter Head Inches Upper Head	Diameter Head Inches Lower Head
6d	2-7/64	1-3/4	11½	3/16	2 Ga.
8d	2-5/8	2-1/4	10¼	1/4	5/16
10d	3-3/16	2-3/4	9	9/32	11/32

Fig. 336

COATED SCENERY NAILS

5 lb. packages or 100 lb. kegs



Size....3/4" Length, 15 Gauge.

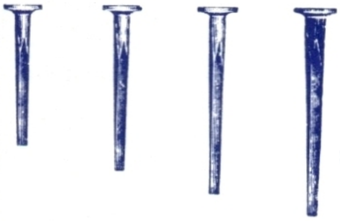


Fig. 330

BRIGHT CLOUT NAILS

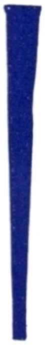
1 lb. packages or 25 & 100 pound kegs

Size	Length Inches	Approx. No. Per Pound
2d	1	710
3d	1¼	423
4d	1½	350
5d	1¾	315

Fig. 338

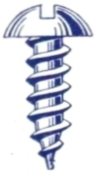
HARDENED STEEL CUT NAILS

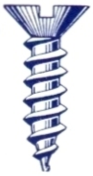
5 lb. pkgs. or 100 lb. kegs



Size	Length Inches	Approx. No. Per Pound
4d	1½	208
6d	2	120
8d	2½	96
10d	3	40

Fig. 435



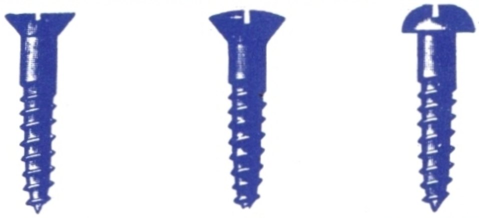


PARKER-KALON "TYPE A" SHEET METAL SCREWS

Round and Flat Heads

List Per Gross

Lgth. In.	Screw Diameter 4	6	7	8	10	12	14
1/4	.98	1.00	....	1.14	....	....	....
3/8	1.00	1.02	1.06	1.14	1.34	....	....
1/2	1.02	1.06	1.10	1.22	1.40	1.70	2.00
5/8	1.06	1.10	1.14	1.28	1.46	1.80	2.14
3/4	1.12	1.14	1.16	1.34	1.52	1.90	2.28
7/8	....	1.18	1.20	1.40	1.58	2.02	2.42
1	....	1.22	1.24	1.52	1.68	2.16	2.58
1-1/4	....	....	....	1.66	2.00	2.40	2.90
1-1/2	....	....	....	1.78	2.16	2.66	3.22
1-3/4	....	....	....	....	2.32	....	3.50
2	....	....	....	....	2.46	....	3.76



Flat Head　Oval Head　Round Head

Fig. 415
STEEL WOOD SCREWS

Fig. 420
BRASS WOOD SCREWS

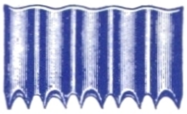
Packed and Priced per Gross—List of 7-1-47

Diam.	Price Steel	Price Brass
	¼-Inch	
2	$0.88	$1.12
4	.92	1.30
	⅜-Inch	
2	.92	1.22
3	.92	1.32
4	.96	1.44
5	.96	....
6	1.00	1.75
	½-Inch	
2	.96	1.34
3	.96	1.44
4	1.00	1.58
5	1.00	1.74
6	1.04	1.94
7	1.08	....
8	1.16	2.50
	⅝-Inch	
2	1.00	....
3	1.00	....
4	1.04	1.76
5	1.04	1.96
6	1.08	2.20
7	1.12	....
8	1.20	2.84
	¾-Inch	
4	1.08	1.96
5	1.08	2.20
6	1.12	2.45
7	1.20	2.84
8	1.28	3.18
9	1.42	3.52
10	1.58	3.98
12	1.80	....
	⅞-Inch	
4	1.12	2.16
5	1.12	2.42
6	1.20	2.70
7	1.28	3.14
8	1.36	3.52
9	1.50	8.92
10	1.66	4.40
12	1.96	....

Diam.	Price Steel	Price Brass
	1-Inch	
4	$1.20	$2.38
5	1.20	2.64
6	1.32	2.98
7	1.40	3.44
8	1.46	3.85
9	1.58	4.30
10	1.74	4.86
12	2.12	6.25
14	2.62	....
	1¼-Inch	
4	1.42	....
5	1.42	....
6	1.50	3.46
7	1.54	4.05
8	1.62	4.52
9	1.74	5.10
10	1.92	5.65
12	2.30	7.28
14	2.96	9.32
16	3.92	....
	1½-Inch	
6	1.66	4.08
7	1.70	4.68
8	1.80	5.20
9	1.96	5.88
10	2.12	6.58
12	2.54	8.44
14	3.30	10.80
16	4.34	....
18	4.75	....
	1¾-Inch	
8	2.00	5.88
9	2.18	....
10	2.34	7.45
12	2.84	9.58
14	3.64	12.28
16	4.75	....

Diam.	Price Steel	Price Brass
	2-Inch	
8	$2.20	$6.58
9	2.38	....
10	2.56	8.38
12	3.14	10.98
14	3.98	13.70
16	5.16	....
18	5.85	....
	2¼-Inch	
10	2.80	....
12	3.46	....
14	4.34	....
	2½-Inch	
8	2.62	....
9	2.80	....
10	3.04	10.38
12	3.78	13.70
14	4.84	17.08
16	6.34	21.34
18	7.90	....
	3-Inch	
10	3.54	......
12	4.80	15.98
14	6.00	20.34
16	7.50	25.10
18	9.40	....
	3½-Inch	
10	4.92	....
12	5.84	....
14	7.16	....
16	8.35	....
18	10.45	....
	4-Inch	
14	8.00	....
16	9.15	....
18	11.70	......

Fig. 320
CORRUGATED FASTENERS



Depth, Inch.	1/2	5/8	3/8	1/2	5/8
Corrugations	5	5	6	6	6

Packed 1000 per box.

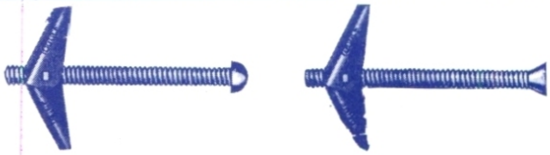
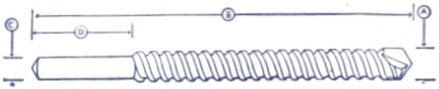


Fig. 440
WING TOGGLE BOLTS
Round and Flat Head

Bolt Diameter	Bolt Length	Price per 100 All Steel	Wire Gauge Threads, per Inch	For Free Fit Drill Hole	Spread of Wings
1/8	(6-32) x 1¾	$6.60	6-32	7/16″	1 5/16″
	(6-32) x 2	8.00	6-32	7/16″	1 5/16″
	(6-32) x 3	9.00	6-32	7/16″	1 5/16″
	(6-32) x 3½	10.00	6-32	7/16″	1 5/16″
	(6-32) x 4	10.00	6-32	7/16″	1 5/16″
	(6-32) x 5	12.00	6-32	7/16″	1 5/16″
	(6-32) x 6	12.50	6-32	7/16″	1 5/16″
8/32	(8-32) x 2	8.50	8-32	½″	1 7/16″
	(8-32) x 3	9.50	8-32	½″	1 7/16″
	(8-32) x 4	10.00	8-32	½″	1 7/16″
	(8-32) x 5	12.00	8-32	½″	1 7/16″
	(8-32) x 6	12.50	8-32	½″	1 7/16″
3/16	(10-24) x 2	8.50	10-24	9/16″	1 15/16″
	(10-24) x 2½	9.50	10-24	9/16″	1 15/16″
	(10-24) x 3	9.50	10-24	9/16″	1 15/16″
	(10-24) x 3½	10.00	10-24	9/16″	1 15/16″
	(10-24) x 4	10.00	10-24	9/16″	1 15/16″
	(10-24) x 5	12.00	10-24	9/16″	1 15/16″
	(10-24) x 6	12.50	10-24	9/16″	1 15/16″
1/4	¼ x 2	9.00	¼-20	¾″	2″
	¼ x 2½	10.50	¼-20	¾″	2″
	¼ x 3	10.50	¼-20	¾″	2″
	¼ x 3½	11.00	¼-20	¾″	2″
	¼ x 4	11.00	¼-20	¾″	2″
	¼ x 5	14.00	¼-20	¾″	2″
	¼ x 6	15.50	¼-20	¾″	2″
	¼ x 8	20.00	¼-20	¾″	2″
	¼ x 10	25.00	¼-20	¾″	2″
5/16	5/16 x 3	16.00	5/16-18	⅞″	2⅜″
	5/16 x 4	17.00	5/16-18	⅞″	2⅜″
	5/16 x 5	21.50	5/16-18	⅞″	2⅜″
	5/16 x 6	23.00	5/16-18	⅞″	2⅜″
3/8	⅜ x 3	21.00	⅜-16	1″	2¾″
	⅜ x 4	23.00	⅜-16	1″	2¾″
	⅜ x 5	28.50	⅜-16	1″	2¾″
	⅜ x 6	30.00	⅜-16	1″	2¾″
½	½ x 4	40.50	½-13	1 5/16″	4½″
	½ x 5	52.00	½-13	1 5/16″	4½″
	½ x 6	59.00	½-13	1 5/16″	4½″

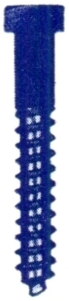
STAR ROTRTWIST
CARBIDE TIPPED MASONRY DRILLS



SIZES AND LIST PRICES

Catalog No.	Nominal Diameter Inches	List Price Ea.	A *Actual Diameter Inches	B Length Overall Inches	Shank Dimensions, Inches C Diameter	Shank Dimensions, Inches D Length	Quantity in Std. Pkg.	Shipping Weight Per Dozen
1405F	1/8	2.03	.130	2½	1/8	....	12	¼ lb.
1410F	3/16	2.03	.198	3	3/16	....		¼ lb.
1415F	1/4	2.03	.260	4 & 6	1/4	....		½ lb.
1417F	9/32	2.19	.296	6	1/4	1-1/2		¾ lb.
1420F	5/16	2.19	.328	4 & 6	1/4	1-1/2		¾ lb.
1425F	3/8	2.40	.390	6	1/4	1-1/2		1 lb.
1430F	7/16	2.70	.458	6	3/8	1-5/8		2 lbs.
1435F	1/2	3.03	.525	6	3/8	1-5/8	12	2¾ lbs.
Sp. Sh.	1/2	3.03	.525	6	1/4	1-5/8		
1440F	9/16	3.38	.587	6	7/16	1-5/8		3¼ lbs.
1445F	5/8	3.71	.650	6	1/2	1-5/8		4¼ lbs.
1450F	11/16	4.22	.713	6	1/2	1-5/8	6	4½ lbs.
1455F	3/4	4.73	.775	6	1/2	1-5/8		5½ lbs.

Fig. 340



LAG BOLTS

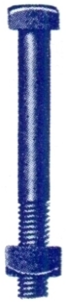
American Standard
with
Gimlet Point

List per 100

Lgth. In.	Diameter, Inches 1/4	5/16	3/8	7/16	1/2	5/8
1	4.10	4.10	5.00	....	....	....
1¼	4.10	4.10	5.00	....	....	....
1½	4.10	4.10	5.00	7.20	9.05	....
1¾	4.55	4.55	5.50	7.20	9.05	....
2	4.55	4.55	5.50	7.20	9.05	13.35
2½	5.15	5.15	6.30	7.90	9.85	13.35
3	5.70	5.70	6.90	8.75	10.75	14.65
3½	6.20	6.20	7.55	9.55	11.65	15.90
4	6.70	6.70	8.15	10.85	12.55	17.20
4½	7.90	7.90	9.60	11.65	14.85	18.40
5	8.50	8.50	10.40	12.45	15.85	19.75
5½	9.00	9.00	11.15	13.25	16.85	21.00
6	9.70	9.70	11.95	14.05	17.85	22.30

MACHINE BOLTS

Fig. 345



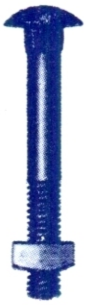
Cut Threads
American Standard
with
Regular Square Nuts

List per 100

Lgth. In.	Diameter, Inches 1/4	5/16	3/8	7/16	1/2	5/8
½	2.40	3.55	....	....	....	....
¾	2.40	3.55	4.80	....	....	....
1	2.50	3.65	5.00	8.15	9.45	15.85
1½	2.80	4.10	5.55	8.95	10.55	16.80
2	3.10	4.60	6.10	9.55	11.30	17.60
2½	3.50	5.10	6.85	10.25	12.80	18.70
3	3.90	5.60	7.60	10.95	13.65	19.80
3½	4.30	6.10	8.35	12.05	14.50	20.90
4	4.70	6.60	9.10	12.75	15.35	22.00
4½	5.60	8.00	10.35	13.80	16.90	25.50
5	6.15	8.60	11.10	14.70	18.00	27.00
5½	6.70	9.20	11.85	15.60	19.10	28.50
6	7.25	9.80	12.60	16.50	20.20	30.00

CARRIAGE BOLTS

Fig. 350



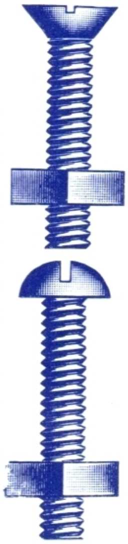
Cut Threads
American Standard
with
Regular Square Nuts

List per 100

Lgth. In.	Diameter, Inches 3/16	1/4	5/16	3/8	7/16	1/2
½	2.20	2.20	....	....	....	....
¾	2.20	2.20	3.25	4.35	....	....
1	2.25	2.25	3.30	4.55	7.40	8.60
1¼	2.40	2.40	3.45	4.80	7.75	9.10
1½	2.55	2.55	3.75	5.05	8.15	9.60
1¾	2.85	2.85	4.20	5.55	8.75	10.30
2	2.85	2.85	4.20	5.55	8.75	10.30
2½	3.15	3.15	4.65	6.20	9.35	11.65
3	3.50	3.50	5.10	6.90	9.95	12.40
3½	3.85	3.85	5.55	7.60	10.95	13.20
4	4.30	4.30	6.00	8.30	11.60	14.00
4½	5.30	5.30	7.55	9.75	13.00	15.90
5	5.80	5.80	8.10	10.45	13.80	16.90
5½	6.30	6.30	8.65	11.15	14.65	17.95
6	6.80	6.80	9.20	11.85	15.50	19.00

STEEL STOVE BOLTS

Fig. 430

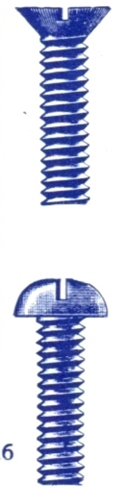


Round and Flat Head
with Square Nuts

List per 100

Lgth. In.	Diameter, Inches 1/8	5/32	3/16	1/4	5/16	3/8
½	.88	.97	1.04	1.55	....	....
¾	.92	1.02	1.12	1.65	2.60	3.80
1	1.00	1.10	1.20	1.75	2.80	4.00
1¼	1.10	1.20	1.30	1.90	3.00	4.30
1½	1.20	1.30	1.40	2.05	3.20	4.60
1¾	1.30	1.45	1.55	2.20	3.50	4.90
2	1.45	1.60	1.75	2.40	3.80	5.20
2½	....	....	2.10	2.90	4.40	6.00
3	....	....	2.45	3.40	5.00	6.80
3½	....	....	2.80	3.90	5.50	7.60
4	....	....	3.15	4.40	6.20	8.40
4½	....	....	3.50	4.85	6.90	9.30
5	....	....	3.85	5.35	7.60	10.20
5½	....	....	4.20	5.80	8.30	11.10
6	....	....	4.60	6.30	9.00	12.00

Fig. 405



STEEL MACHINE SCREWS

Round, Flat & Oval Heads

List Per Gross

Lgth. In.	Screw Diameter 2-56	3-48	4-40	5-40	6-32	8-32
1/8	.41	.42	.43	.45	.47	...
3/16	.42	.43	.44	.46	.48	.60
1/4	.43	.44	.45	.47	.49	.62
5/16	.44	.45	.46	.48	.50	.64
3/8	.45	.46	.47	.49	.51	.66
7/16	.46	.47	.48	.50	.52	.68
1/2	.47	.48	.49	.51	.54	.70
9/16	.48	.49	.50	.52	.55	.72
5/8	.49	.51	.52	.54	.57	.74
3/4	.51	.53	.55	.57	.60	.77
7/8	.54	.55	.57	.60	.65	.81
1	...	...	.61	.64	.70	.88
1-1/8	...	...	.70	.73	.80	.96
1-1/4	...	...	.80	.82	.90	1.04
1-1/2	...	...	.90	.92	1.00	1.16
1-3/4	...	...	...	1.02	1.10	1.28
2	...	...	...	1.12	1.20	1.40
2-1/2	...	...	...	....	....	1.70
3	...	...	...	....	....	2.00

Lgth. In.	Screw Diameter 10-24	10-32	12-24	¼-20	5/16-18	3/8-16
3/16	.67	.67	...	....	....	....
1/4	.69	.69	.83	....	....	....
5/16	.71	.71	.86	1.10	....	....
3/8	.73	.73	.89	1.13	1.70	....
7/16	.75	.75	.92	1.16	1.75	....
1/2	.77	.77	.95	1.20	1.80	2.75
9/16	.79	.79	.98	1.24	1.85	2.85
5/8	.82	.82	1.02	1.28	1.95	2.95
3/4	.87	.87	1.08	1.36	2.05	3.10
7/8	.92	.92	1.14	1.45	2.20	3.30
1	.98	.98	1.20	1.55	2.35	3.50
1-1/4	1.15	1.15	1.40	1.75	2.65	3.90
1-1/2	1.30	1.30	1.55	1.95	3.00	4.30
1-3/4	1.45	1.45	1.70	2.15	3.35	4.70
2	1.60	1.60	1.85	2.35	3.70	5.10
2-1/2	2.00	2.00	2.25	2.80	4.40	6.20
3	2.40	2.40	2.75	3.40	5.20	7.50

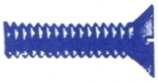
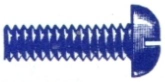


Fig. 410


BRASS MACHINE SCREWS
Round, Flat & Oval Heads

List Per Gross

Lgth. In.	Screw Diameter 2-56	3-48	4-40	5-40	6-32	8-32
1/8	1.22	1.32	1.44	1.60	1.75	....
3/16	1.27	1.37	1.52	1.70	1.90	2.80
1/4	1.32	1.44	1.60	1.80	2.00	3.00
5/16	1.37	1.52	1.70	1.90	2.15	3.20
3/8	1.44	1.60	1.80	2.05	2.30	3.40
7/16	1.52	1.68	1.90	2.15	2.45	3.60
1/2	1.60	1.75	2.00	2.30	2.60	3.80
9/16	1.68	1.83	2.10	2.40	2.75	4.00
5/8	1.76	1.91	2.20	2.55	2.90	4.20
3/4	1.91	2.09	2.40	2.80	3.20	4.55
7/8	2.03	2.29	2.65	3.05	3.50	4.90
1	....	....	2.90	3.30	3.80	5.30
1-1/8	....	....	3.15	3.70	4.20	5.70
1-1/4	....	....	3.65	4.20	4.70	6.10
1-1/2	....	....	4.45	4.80	5.35	7.10
1-3/4	....	....	....	5.60	6.10	8.10
2	....	....	....	6.40	6.90	9.10
2-1/2	....	....	....	....	....	11.10
3	....	....	....	....	....	13.10

Lgth. In.	Screw Diameter 10-24	10-32	12-24	¼-20	5/16-18	3/8-16
3/16	3.55	3.55	....	....	.....	.....
1/4	3.75	3.75	5.10	....	.....	.....
5/16	3.95	3.95	5.35	7.40	.....	.....
3/8	4.20	4.20	5.60	7.90	.....	.....
7/16	4.45	4.45	5.95	8.40	14.25	.....
1/2	4.70	4.70	6.35	8.90	15.00	24.00
9/16	4.95	4.95	6.75	9.40	15.75	25.00
5/8	5.35	5.35	7.10	9.90	16.50	26.00
3/4	5.85	5.85	7.60	10.40	18.00	28.00
7/8	6.35	6.35	8.35	11.40	19.50	30.00
1	7.00	7.00	9.10	12.40	21.00	32.00
1-1/8	7.65	7.65	9.90	13.50	22.60	34.50
1-1/4	8.40	8.40	10.70	14.75	24.20	37.00
1-1/2	9.55	9.55	12.00	16.00	27.00	41.00
1-3/4	10.70	10.70	13.50	17.80	29.80	45.00
2	11.70	11.70	15.00	19.80	32.60	49.00
2-1/2	14.00	14.00	18.00	23.80	39.20	58.00
3	16.55	16.55	21.00	28.00	45.80	67.00

HEXAGON

Screw Dia.	Thds. per In.	Steel List per Gross	Brass List per Gross
2	56	.75	2.15
3	48	.75	2.15
4	40	.66	2.30
5	40	.70	2.90
6	32	.70	2.90
8	32	.76	3.40
10	24	.82	3.65
10	32	.82	3.65
12	24	1.05	6.10
1/4	20	1.20	6.90
5/16	18	1.90	13.25
3/8	16	2.60	17.80

Fig. 406

STEEL MACHINE SCREW NUTS

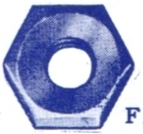
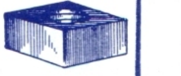


Fig. 411

BRASS MACHINE SCREW NUTS

Fig. 407

STOVE BOLT SQUARE NUTS

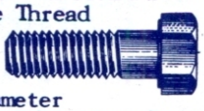


Size, Inch..	1/8	3/16	1/4	5/16	3/8
Thread......	40	24	20	18	16

Packed 100 per box.

Fig. 346

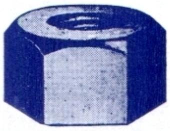
HEX HEAD STEEL CAP SCREWS
American Standard Course Thread



List Per 100

Lgth. In.	Screw Diameter 1/4-20	5/16-18	3/8-16	7/16-14	1/2-13
½	1.30	1.50	....	....	....
¾	1.40	1.70	2.10	....	4.70
1	1.60	1.90	2.30	3.20	5.10
1¼	1.80	2.10	2.50	3.50	5.50
1½	2.00	2.30	2.70	3.80	5.90
1¾	2.20	2.50	3.00	....	6.30
2	2.40	2.70	3.30	4.50	6.70
2¼	2.60	2.90	3.60	4.90	7.20
2½	2.80	3.20	3.90	5.30	7.70
2¾	3.00	3.50	4.30	....	8.20
3	3.30	3.80	4.70	6.20	8.70
3½	....	5.40	5.90	....	....
4	....	7.00	....	....	....

Fig. 403



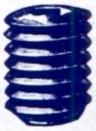
HEX SEMI FINISH STEEL NUTS
American Standard Course Thread

List Per 100

Size	1/4-20	5/16-18	3/8-16	7/16-14	1/2-13
List	1.50	1.96	2.88	4.14	5.52
Size	9/16-12	5/8-11	3/4-10	7/8-9	1-8
List	8.86	9.95	14.95	23.17	33.52

Fig. 414

SOCKET CUP POINT SET SCREWS



List Per 100

Lgth. Inches	Screw Diameter & Thread 4 40	5 40	6 32	8 32	10 24
⅛	$4.05	$4.10	$4.15	$4.20	....
3/16	4.10	4.15	4.20	4.25	$4.30
¼	4.15	4.20	4.25	4.30	4.35
5/16	4.20	4.25	4.30	4.35	4.40
⅜	4.30	4.35	4.40	4.45	4.50
7/16	4.55	....	....	....	....
½	4.85	....	4.95	5.00	5.05
¾	....	....	5.85	5.90	....

Lgth. Inches	Screw Diameter & Thread 1/4 20	5/16 18	3/8 16	7/16 14	1/2 13
3/16	$4.35	....	....	....	....
¼	4.40	$4.50	$4.60	....	....
5/16	4.45	4.55	4.65	....	....
⅜	4.55	4.65	4.75	....	....
7/16	....	....	....	$6.50	....
½	5.10	5.20	5.30	6.80	$8.30
⅝	5.50	5.60	5.70	....	8.70
¾	6.00	6.20	6.40	....	9.50
1	7.80	8.00	8.20	....	11.80
1¼	....	....	10.40	....	13.00
1½	....	....	11.90	....	15.50

STAR
J-TAMPIN

STAR TAMPINS

100% Rust-proof Throughout

FOR USE WITH MACHINE SCREWS OR BOLTS

SIZES AND LIST PRICES *(without Screws or Bolts)*

Catalog Number	Size of Bolt or Screw with Which Shield is Used	List Price Per 100 Shields Only (Inc. Tool)	Safe Working Load Pounds	Dimensions of Minimum Holes Required: Diam. (Drill Size)	Dimensions of Minimum Holes Required: *Depth (Length of Anchor)	Quantity in Standard Package	Quantity in Standard Shipping Carton	Shipping Weight Per 100 (Inc. Tool)
4006J	6-32	$6.00	100	5/16″	1/2″	50	1000	1 lb.
4008J	8-32	6.50	100	5/16″	1/2″			1 lb.
4010J	10-24	7.50	150	3/8″	5/8″			2 lbs.
4012J	12-24	9.50	200	1/2″	7/8″		500	4½ lbs.
4015J	1/4″-20	11.00	200	1/2″	7/8″			4½ lbs.
4020J	5/16″-18	15.00	300	5/8″	1″		250	7½ lbs.
4025J	3/8″-16	20.00	450	3/4″	1¼″			15 lbs.
4030J	7/16″-14	26.00	600	7/8″	1½″			20½ lbs.
4035J	1/2″-13	26.00	600	7/8″	1½″			20½ lbs.
4045J	5/8″-11	50.00	800	1⅛″	2″		100	40 lbs.
4055J	3/4″-10	75.00	1000	1¼″	2¼″			54 lbs.

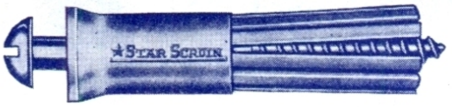
"Listed by Underwriters and Factory Mutual Laboratories"

*NOTE: A deeper hole should be used in making attachments to poor masonry.

TAMPIN TOOLS

One packed in each box of Tampins, no extra charge.

The pilot of the Tampin Tool keeps the tool centered on the shield during installation.



STAR SCRUINS

For Use with Wood Screws

SIZES AND LIST PRICES *(without Screws)*

Catalog Number	Screw Size and Length of Anchor	List Price Per 100 (Without Screws)	Fractional Screw Size	Outside Diameter and Drill Required	Quantity in Standard Package	Quantity in Standard Shipping Carton	Shipping Weight Per 100 (Anchors only)
408	6- 8x 3/4″	$5.00	1/8″-3/16″	1/4″	100	1000	1 lb.
409	6- 8x1½″	5.60	1/8″-3/16″	1/4″		500	2¼ lbs.
412	10-12-14x1″	5.60	3/16″-1/4″	5/16″			2½ lbs.
413	10-12-14x1½″	8.00	3/16″-1/4″	5/16″			3½ lbs.
417	16-18x1″	6.25	5/16″	3/8″			3 lbs.
418	16-18x1½″	9.00	5/16″	3/8″	25	250	5 lbs.
422	20-22-24x1¾″	10.00	3/8″	7/16″			6½ lbs.

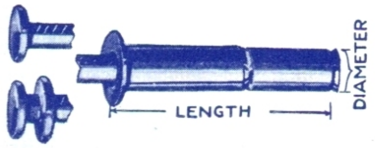
STAR
7035
1/2
DBLE
7/8 HOLE

STAR EXPANSION SHIELDS

SIZES AND LIST PRICES *(without Bolts)*

Catalog Number	Diameter of Bolt with Which Shield is Used	List Price Per 100 (Without Bolts)	Safe Working Load Pounds	Length of Shield	Outside Diameter and Drill Required	Quantity in Standard Package	Quantity in Standard Shipping Carton	Shipping Weight Per 100 (Shields only)
*7015	1/4″	$15.00	200	1⅝″	1/2″	50	500	4 lbs.
7020	5/16″	18.00	300	1⅞″	5/8″			7½ lbs.
*7025	3/8″	25.00	450	2⅛″	3/4″		250	12½ lbs.
*7035	1/2″	38.00	1000	2⅜″	7/8″	25	125	18 lbs.
*7045	5/8″	45.00	1500	2⅞″	1″	25	125	25½ lbs.
7055	3/4″	65.00	2000	4″	1¼″	10	50	54½ lbs.
7060	7/8″	95.00	2000	4½″	1½″	5	25	103 lbs.
7065	1″	110.00	2000	4⅞″	1⅝″	5	25	120 lbs.

*With Zinc Alloy Sides—100% rust-proof.



STAR DRYVINS

STAR DRYVINS furnished regularly with Single Head Nails. STAR DRYVINS with Double Head Nails for shipment from factory only, no extra charge. Sizes with asterisk can not be furnished in Double Head. STAR DRYVINS are always supplied complete with nails.

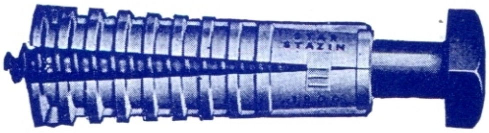
SIZES AND LIST PRICES *(with Nails)*
(All sizes listed show diameter and length of shield—not the nail)

Catalog Number	Size Diameter Length of Shield Not the Nail	List Price Per 100 (Complete with Nails)	Outside Diameter and Drill Required	Working Load, Pounds	Quantity in Standard Package (Single Head)	Quantity in Standard Shipping Carton (Single Head)	Shipping Weight Per 100 (Single Head Nail)
3910	3/16 x 7/8″	$8.00	3/16″	60	100	500	1 lb.
3911	3/16 x 1¼″	9.00		100			1½ lbs.
3915	1/4 x 1″	10.00	1/4″	200	100	500	2 lbs.
3916	1/4 x 1¼″	11.00		250			2¾ lbs.
3917	1/4 x 1½″	12.00		300	50	250	3 lbs.
3920	5/16 x 1¼″	14.00	5/16″	250	50	250	4 lbs
3921	5/16 x 1¾″	16.00		300	25		5 lbs.
3923	5/16 x 2¼″	18.00		300			6½ lbs.
3924	5/16 x 2¾″	20.00		300			7½ lbs.
3926	3/8 x 1½″	18.00	3/8″	400	100	500	7 lbs.
3927	3/8 x 2″	20.00		450	25	250	8¼ lbs.
3929	3/8 x 3¼″	25.00		500	50	250	12 lbs.
*3935	1/2 x 1″	25.00	1/2″	200	100	500	9 lbs.
3937	1/2 x 2¼″	30.00		500	50	250	16 lbs.
*3938	1/2 x 2¾″	32.00		550			19 lbs.
*3939	1/2 x 3½″	35.00		600	25	125	23 lbs.

"Listed by Underwriters Laboratories"

STAR DRYVINS are designated by the diameter and length of the shield. This is marked on each size. The diameter is the actual diameter of the shield. This also is the nominal diameter of both the mounting hole and proper size drill required. The length of the STAR DRYVIN is measured from the top flange to the bottom flange of the shield. This is not the nail length.

★These items not regularly carried in warehouse stock. F.O.B. Factory with Freight allowance on 100 lbs. or over.



STAR LAG SCREW EXPANSION SHIELD

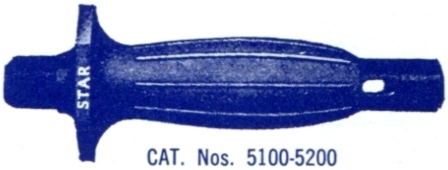
SIZES AND LIST PRICES *(without Lag Screws)*

Catalog Number	Diam. of Lag Screw with Which Shield is Used	List Price Per 100 (Without Lag Screws)	Length of Shield (Note)	Outside Diameter and Drill Required	Quantity in Standard Package	Quantity in Standard Shipping Carton	Shipping Weight Per 100 (Shields only)
LONG STANDARD SIZES							
1815	¼″	$15.00	1½″	½″	50	250	5 lbs.
1820	5/16″	18.00	1¾″	½″			5 lbs.
1825	⅜″	25.00	2½″	⅝″			9½ lbs.
1835	½″	38.00	3″	¾″	25	250	14 lbs.
1845	⅝″	45.00	3½″	⅞″	25	125	22 lbs.
1855	¾″	65.00	3½″	1″	10	100	29 lbs.
SHORT STANDARD SIZES							
1818	¼″	$15.00	1″	½″	50	250	3 lbs.
1823	5/16″	18.00	1¼″	½″			3 lbs.
1828	⅜″	25.00	1¾″	⅝″			7 lbs.
1838	½″	38.00	2″	¾″	25	250	10½ lbs.
1848	⅝″	45.00	2″	⅞″	25	125	12½ lbs.
1858	¾″	65.00	2″	1″	10	100	16 lbs.

When no length is specified on orders, Long Standard Shield will be furnished.

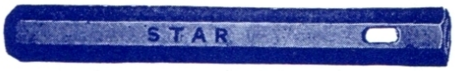
STAR DRILL HOLDERS

RUBBER GRIP HOLDER



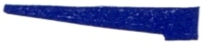
CAT. Nos. 5100-5200

PLAIN HOLDER

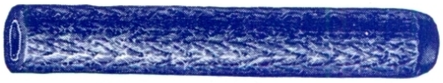


CAT. Nos. 5000-5400

KNOCKOUT PIN



CAT. No. 5900
(Furnished with each drill holder, no charge)

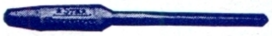


STAR FIBRPLUG

SIZES AND LIST PRICES *(without Screws)*

Catalog Number	Star Fibrplug		Drill Size	For Wood Screw		List Price Per 100	Quantity		Shipping Weight Per 1000
	No.	Length Inches		No.	Length Inches		In Stand. Pkg.	In Shipping Carton	
506B	6	⅝	6	5-6	1	$2.70	100	1000	1 lb. 9 oz.
506C		¾			1¼	2.80			1 lb. 11 oz.
506E		1			1½	3.00			2 lb.
508B	8	⅝	8	7-8	1	3.10	100	1000	1 lb. 13 oz.
508C		¾			1¼	3.20			2 lb.
508E		1			1½	3.40			2 lb. 4 oz.
508J		1½			2-2½	3.80			3 lb. 2 oz.
510C	10	¾	10 (3/16)	9-10	1¼	3.40	100	1000	2 lb.
510E		1			1½	3.80			2 lb. 8 oz.
510G		1¼			1¾	4.20			3 lb.
510J		1½			2-2½	4.60			3 lb. 8 oz.
512C	12	¾	12	11-12	1¼	4.20	100	1000	2 lb. 9 oz.
512E		1			1½	4.60			3 lb. 2 oz.
512G		1¼			1¾	5.00			3 lb. 10 oz.
512J		1½			2-2½	5.40			4 lb. 2 oz.
514E	14	1	14 (¼)	14	1½	$5.40	100	1000	4 lb.
514G		1¼			1¾	6.00			4 lb. 12 oz.
514J		1½			2-2½	6.60			5 lb. 8 oz.
514N		2			3-3½	7.80		500	7 lb. 2 oz.
516E	16	1	16 (5/16)	16	1½	6.10	50	500	5 lb.
516J		1½			2-2½	7.60		250	6 lb. 4 oz.
516N		2			3-3½	9.10		250	8 lb. 3 oz.
520E	20	1	20 (⅜)	20	1½	9.00	50	500	6 lb.
520J		1½			2-2½	11.00		250	9 lb.
520N		2			3-3½	13.00		250	12 lb. 8 oz.

THREE-FLUTE



STAR HAMRFLUTE

SIZES AND LIST PRICES

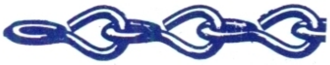
Catalog No.	Drill No.	Actual Dia. in Inches	For Use With Fibrplug No.	List Price Per Doz.	Stand. Pkg.	Shipping Weight Per Doz
806	6	.145	6	$11.50	12	6 oz.
808	8	.177	8	11.50		7 oz.
810	10	.204	10	11.50		8 oz.
812	12	.247	12	11.50		9 oz.
814	14	.272	14	12.50		10 oz.
816	16	.327	16	13.60		14 oz.
820	20	.400	20	15.70		1 lb.

Use No. 5000 Plain or No. 5100 Rubber Grip Drill Holders

LIST PRICES

Catalog No.	Type	List Price Per Dozen	Quan. in Std. Box	Quan. in Std. Ctn.	Ship. Wgt. Per Doz.
5000	Plain (Fibrplug)	$24.00	12	36	6 lb. 4 oz.
5100	Rubber Grip (")	48.00	12	12	12 lbs.
5200	Rubber Grip	48.00	12	12	12 lbs.
5400	Plain	24.00	12	36	9½ lbs.
5900	Knockout Pins (extras)	4.50	12	loose	½ lb.

Fig. 505



STEEL JACK CHAIN

Single

Packed 50 Feet per Box

Number	Tensile Strength, Pounds	Links per Foot	Length of Link
6	435	10	1-9/16"
8	268	11	1-5/16"
10	195	12	1-1/4 "
12	145	16	1 "
14	66	19	13/16"
16	55	25	11/16"
18	40	31	1/2 "

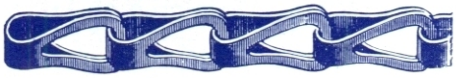


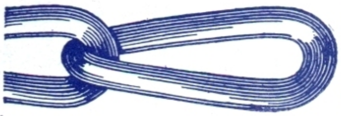
Fig. 515

COPPERED STEEL SASH CHAIN

Copper plated finish. Packed 500 feet on a reel

No.	Metal Gauge	Tensile Strength, Pounds	Max. Sash Weight	Weight per 500 Ft.
8	.035	350	50	20
25	.042	425	50	25
30	.028	375	60	24
35	.035	500	100	30
40	.042	600	150	35
45	.050	750	175	46
50	.060	900	200	57

Fig. 511



ELWEL COIL CHAIN

Twist Link

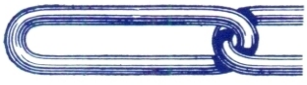
Furnished in bright finish.
Packed 100 feet per carton.

No.	Gage No.	Size In.	Links per Foot	Tensile Strength Pound	Weight Lb. per 100 Feet
5	12	7/64	11	590	8
4	11	1/8	11	710	10
3	10	9/64	10½	830	13
2	9	5/32	10½	950	16
1	8	5/32	10	1080	20
1–0	7	11/64	9¾	1240	24
2–0	6	3/16	9¾	1430	29
3–0	5	13/64	8¾	1670	33
4–0	..	7/32	8¾	1890	36
5–0	..	1/4	7¾	2530	48
6–0	..	9/32	7¾	3250	64
7–0	..	5/16	8	4050	84

Fig. 512

ELWEL COIL CHAIN

Straight Link



A good general utility chain.
Furnished in bright finish.
Packed 100 feet in a carton.

Size No.	W. & M. Gage No.	Links per Foot	Tensile Str. Lb.	Approx. Wt. Lb. per 100 Ft.	Size No.	W. & M. Gage No. or In.	Links per Foot	Tensile Str. Lb.	Approx. Wt. Lb. per 100 Ft.
5	12	10¾	590	8	2/0	6	9¼	1430	27
4	11	10½	710	10	3/0	5	8½	1670	32
3	10	10¼	830	13	4/0	7/32	8½	1890	35
2	9	10¼	950	15	5/0	1/4	7¾	2530	46
1	8	9½	1080	19	6/0	9/32	8	3250	62
1/0	7	9¾	1240	23	7/0	5/16	8	4050	76

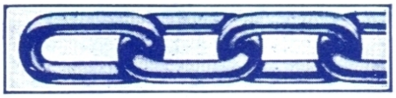


Fig. 510

STEEL PROOF COIL CHAIN

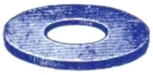
Made from open-hearth steel. Furnished in self-colored. Galvanized on special order only.

Size In.	Size Material In.	Inside Lgth. In.	Inside Width In.	Links per Foot	Wt., Lb. per 100 Feet	Average Breaking Test Lb.	Proof Test Lb.	Safe Working Load Lb.
3/16	7/32	61/64	13/32	12½	40	2090	1045	520
1/4	9/32	1	1/2	12	70	3600	1800	900
5/16	11/32	1 7/64	1/2	10¾	105	5440	2720	1360
3/8	13/32	1 15/64	5/8	9¾	158	7440	3720	1860
7/16	15/32	1⅜	3/4	8¾	210	10000	5000	2500
1/2	17/32	1½	13/16	8	265	13200	6600	3300
9/16	19/32	1¾	7/8	6⅞	335	16400	8200	4100
5/8	21/32	1⅞	1	6⅜	410	20000	10000	5000
3/4	25/32	2⅛	1⅛	5⅝	580	28300	14150	7075
7/8	29/32	2½	1⅜	4¾	780	38400	19200	9600
1	1 1/32	2¾	1½	4⅜	1000	49600	24800	12400

Fig. 532

WROUGHT STEEL WASHERS

Packed in 5 lb. boxes



Size of Bolt, In.	Outside Dia., In.	Size of Hole, In.	Thickness Gage	Thickness In.	Approx. No. Per 100 Lb.
3/16	9/16	1/4	18	3/64	36,200
1/4	3/4	5/16	16	1/16	14,900
5/16	7/8	3/8	14	5/64	9,000
3/8	1	7/16	14	5/64	6,700
7/16	1-1/4	1/2	14	5/64	4,100
1/2	1-3/8	9/16	12	7/64	2,600
9/16	1-1/2	5/8	12	7/64	2,200
5/8	1-3/4	11/16	10	1/8	1,300
3/4	2	13/16	9	5/32	910
7/8	2-1/4	15/16	8	11/64	652
1	2-1/2	1-1/16	8	11/64	532

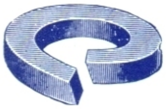


Fig. 533

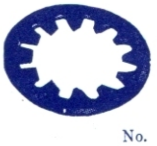
STEEL LOCK WASHERS

Wrought Steel

Packed 100 & 1000 per box

Size No. or Inch	Light Pattern	Medium Pattern	Heavy Pattern
No. 2	.030 x .015	.035 x .020	.040 x .025
No 4	.035 x .020	.040 x .025	.047 x .031
No. 6	.040 x .025	.047 x .031	.055 x .040
No. 8	.047 x .031	.055 x .040	.062 x .047
No. 10	.055 x .040	.062 x .047	.070 x .056
No. 12	.062 x .047	.070 x .056	.077 x .063
3/16	.055 x .040	.062 x .047	.070 x .056
1/4	.107 x .047	.109 x .062	.110 x .077
5/16	.117 x .056	.125 x .078	.130 x .097
3/8	.136 x .070	.141 x .094	.145 x .115
7/16	.154 x .085	.156 x .109	.160 x .133
1/2	.170 x .099	.171 x .125	.176 x .151
9/16	.186 x .113	.188 x .141	.193 x .170
5/8	.201 x .126	.203 x .156	.210 x .189
3/4	.233 x .153	.234 x .188	.244 x .226
7/8	.264 x .189	.266 x .219	.281 x .266
1	.289 x .202	.297 x .250	.319 x .306

Medium Pattern normally furnished. Prices on Light & Heavy Pattern upon application.



Internal Type

Fig. 534

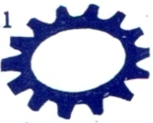
SHAKEPROOF LOCK WASHERS

Made of high carbon steel, hardened and tempered. Packed 1000 per box.

No.	Screw Size In.	O.D. In.	Hole Diam., In.	Thick. In.	Approx. Wt.,Lb. per 1000
1202	No. 2	.185- .175	.095- .089	.012	.046
1203	No. 3	.225- .215	.109- .102	.016	.086
1204	No. 4	.265- .255	.123- .116	.016	.131
1205	No. 5	.255- .245	.136- .129	.018	.125
1206	No. 6	.285- .275	.150- .142	.018	.168
1208	No. 8	.336- .325	.176- .168	.020	.255
1210	No. 10	.381- .370	.204- .195	.022	.348
1212	No. 12	.406- .394	.231- .221	.022	.411

Fig. 535

External Type



SHAKEPROOF LOCK WASHERS

Made of high carbon steel, hardened and tempered. Packed 1000 per box.

No.	Screw Size In.	O.D. In.	Hole Diam., In.	Thick. In.	Approx. Wt., Lb. per 1000
1104	No. 4	.255- .245	.123- .116	.016	.147
1105	No. 5	.280- .270	.136- .129	.016	.145
1106	No. 6	.317- .306	.150- .142	.020	.233
1108	No. 8	.381- .370	.176- .168	.020	.334
1110	No. 10	.406- .395	.204- .195	.022	.380
1112	No. 12	.474- .462	.231- .221	.025	.595

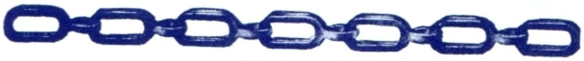


Fig. 502

BRASS SAFETY CHAIN

Furnished either plain or nickle plated. Packed in boxes of 50 feet each or reels of 500 feet.

Number	2/0	1/0	1	2
Metal Gauge	.018	.023	.028	.028
Wt. per 100 Ft.	1¼	1¾	3½	3½

Fig. 5202

TWISTED COTTON ROPE

Made of the best selected cotton hemp, hard laid and three ply. Finest rope available for use with asbestos curtains.

Size, Dia., In.	1/2	5/8	3/4	1	1-1/8	1-1/4
Ft. per Lb.	15	10	7	4½	3½	3¼

Fig. 5220

WIRE CENTER TILLER ROPE

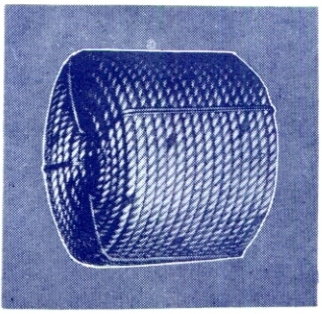
Mahogony Color

Used where extreme flexibility is desired.

Size	6	8	10	12
Diameter	3/16	1/4	5/16	3/8
Feet Per Coil	500	500	500	250

Fig. 5201

WALL MANILA ROPE



Made of the finest selected grade of Manila fiber. Rope made of Manila fiber exceeds any other in strength and lasting qualities. Regular lay 3-strand is intended for use where maximum strength is required.

Sizes — Inches		Gross Weight — Pounds		Length — Feet		Strength — Pounds	
Diameter	Circumference	Full Coil	Per 100 ft.	Full Coil	Ft. in 1 Lb.	Breaking Strength	Working Strain
3/16	5/8	50	1.50	3335	66.7	450	90
1/4	3/4	50	2.00	2500	50.0	600	120
5/16	1	50	2.90	1725	34.5	1000	200
3/8	1-1/8	50	4.10	1220	24.4	1325	270
7/16	1-1/4	63	5.25	1200	19.0	1725	350
1/2	1-1/2	90	7.50	1200	13.3	2650	530
9/16	1-3/4	125	10.40	1200	9.6	3450	690
5/8	2	160	13.30	1200	7.5	4400	880
3/4	2-1/4	200	16.70	1200	6.0	5400	1080
7/8	2-3/4	270	22.50	1200	5.1	6500	1300
1	3	324	27.0	1200	3.7	7700	1540

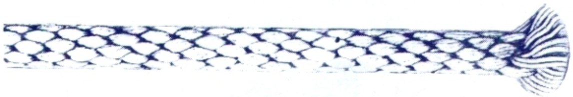


Fig. 5203

LASH, SASH OR TRICK LINE

Braided White Cotton

Made of an excellant quality yarn, braided firmly and evenly, with well glazed finish.

Size	Length of Hank, Feet	Approx. Dia. in Inch.	For Pulley Dia.	Feet per Lb.	Approx. Wt. per 100 Ft.
3½	48	7/64	½	..	...
4	48	1/8	¾	..	...
4½	48	9/64	1	..	...
5	48	5/32	1¼	..	...
6	100	3/16	1½	66	1½
7	100	7/32	1¾	55	2
8	100	1/4	2	44	2¼
9	100	9/32	2¼	36	3
10	100	5/16	2½	27	3½
12	100	3/8	3	20	5

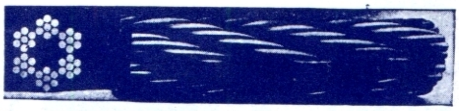


Fig. 5210

GALVANIZED IRON SASH CORD

A Semi Flexible Steel Cable
6 Strands, 7 Wires in Each Strand

Size, Dia., In.	1/16	1/8	3/16	1/4
Approx. Breaking Stress	126	504	1035	1836

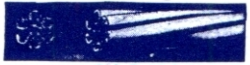


Fig. 5215

GALVANIZED AIRCRAFT CABLE

A Very Flexible Steel Cable
7 Strands, 19 Wires in Each Strand

Size, Dia., In.	1/16	1/8	3/16	1/4
Approx. Breaking Stress	540	1510	3020	5820

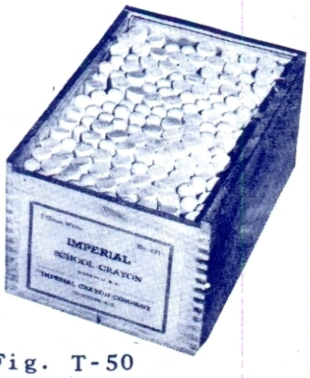

IMPERIAL
SCHOOL CRAYON
IMPERIAL CRAYON COMPANY

Fig. 9313

WHITE CRAYON CHALK

A fine grade of white chalk. Length is 3¼ inches. Packed 144 per box.

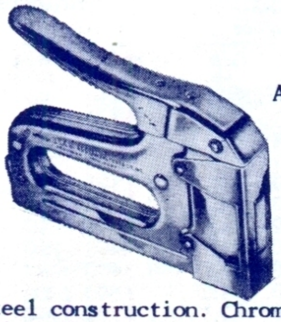


Fig. T-50

ARROW GUN TACKER

A high powered spring action provides smooth operation and tremendous power for a wide range of heavy duty nailing jobs. For use on scenery, flats, wood, wallboard or wherever a nail can be driven. All steel construction. Chrome-plated finish. Packed 1 in a box. Uses wedged-pointed 1/4, 3/8, 1/2 & 9/16 inch staples.

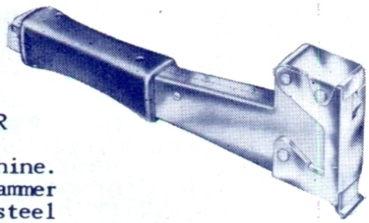
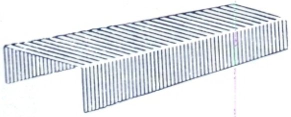


Fig. HT-50

ARROW HAMMER TACKER

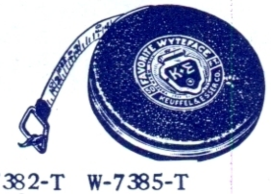
A one handed nailing machine. Five times faster than hammer and nails. Sturdy all-steel construction with shatter-proof handle. Drives a steel staple into any material where a nail can be driven. Uses wedged-pointed 1/4, 3/8 & 1/2 inch staples. Length 11¼ inches. Packed 1 in a box.

ARROW TACKER STAPLES



For use with Figs. T-50 & HT-50 tackers. (9/16 inch size cannot be used with Hammer Tacker). All sizes packed 5000 per box.

Fig. No.	T-500	T-501	T-502	T-503
Length, Inch.	1/4	3/8	1/2	9/16


FAVORITE WYTEFACE
K&E
KEUFFEL & ESSER CO.

K & E FAVORITE WYTEFACE TAPES

Fig. No.	W-7380-T	W-7382-T	W-7385-T
Length, Feet	25	50	100

Fig. 7519

FUSIBLE LINKS

Used wherever a fixture is constructed to close automatically upon contact with heat. Will melt at 160°. Packed 10 per box.

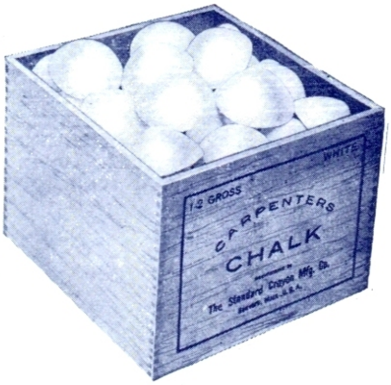

1/2 GROSS
WHITE
CARPENTERS
CHALK
The Standard Crayon Mfg. Co.

Fig. 9314

CARPENTER'S CHALK

Made in half round cakes and in two colors, white and blue. Packed 72 per box. Specify color when ordering.

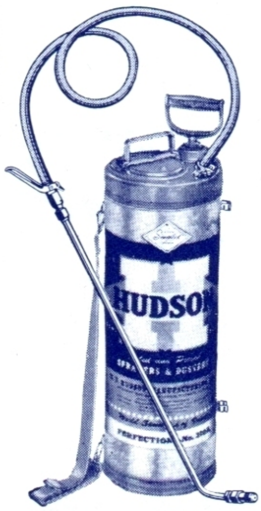


Fig. 310-B

HUDSON SPRAYER

A very popular sprayer used in the theatrical industry. Used for spraying fireproofing solutions on curtains and flats. A good tool for spraying paints or waxes. Capacity- 4 Gallons. Packed 1 in a box.

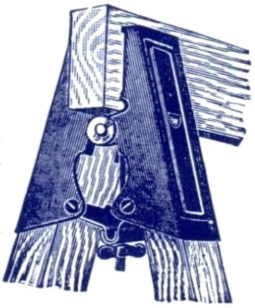


Fig. 9206

SAWHORSE BRACKETS

Eliminates nails, bolts or mitering of legs, and can be disassembled at will. Sized for 2" x 4" lumber. Packed 1 set per box.

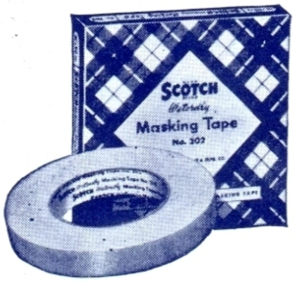

SCOTCH
Masking Tape
No. 202

Fig. 202

SCOTCH MASKING TAPE

A thin flexible masking tape with strong backing. Holds firmly to practically all types of material. Sizes: ¾, 1, 1½ & 2 inches x 60 yards. Packed 1 roll per box.

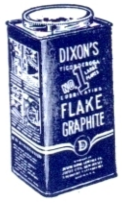

DIXON'S
FLAKE
GRAPHITE

Fig. 6665

DIXON'S FLAKE GRAPHITE

Use dry or as a lubricating additive to oil or grease. Furnished in particle size No.1 in large flakes; or in No. 2 in medium powdered flakes. Packed in 1 pound cans.

DIXON'S
SOLID
Belt Dressing
JOSEPH DIXON CRUCIBLE CO. JERSEY CITY, N.J.

Fig. 6667 **DIXON'S SOLID BELT DRESSING**

A belt treatment which both preserves drive belts and stops slipping so completely that all belts & rope drives can be run easy or slack under a full load. Packed in 1 pound bars.

Fig. 7200

MIRACLE ADHESIVE

Made of heavy-bodied mastic with selected plastics and solvents to make it work. Evaporation of the volatile solvents causes the paste to set with a strong, lasting bond which does not become brittle or cracked. Made in two colors, Black and White. Packed in 5 ounce tubes, quart and gallon cans.

Fig. 7210

ROGER'S LIQUID FISH GLUE

A slow setting glue for a variety of uses. No heating or mixing is required. Has great holding strength. Will not be affected by climatic conditions. Packed in ½ pints, pints and quarts.

Fig. 7220

LEPAGE'S LIQUID GLUE

A slow setting glue for a variety of uses. No heating or mixing is required. Has great holding strength. Will not be affected by climatic conditions. Packed in ½ pints, pints and quarts.

Fig. 7230

WELDWOOD PLASTIC RESIN GLUE

A quick acting glue in powdered form. Mixes instantly with cold water. Once set, materials are held in an everlasting firm grip. Packed in 1, 5 & 25 pound cans.

Fig. 7240

MENDALL WHITE LIQUID GLUE

An all purpose, quick setting glue with tremendous holding power. Can be used on all types of materials. Packed in pints, quarts and gallons.

Fig. 7250

ARABOL SPINX PASTE

A superior paste for canvas, wood, paper, fabric, etc. Packed in pint and quart jars.

Fig. 7260

ELMER'S GLUE-ALL

An all purpose glue put up in 8 ounce plastic squeeze bottles. Squeeze bottle has applicator tip.

Fig. 7270

WILHOLD PLASTIC LIQUID GLUE

An all purpose, quick setting glue with a tremendous holding power. Can be used on all types of materials. Packed in pints, quarts and gallons, also in 7& 17 ounce squeeze bottles.

Fig. 7280

WELDWOOD CONTACT CEMENT

Made for installing plywood without nails and bonding formica and other laminated plastics. Bonds instantly without clamps or presses. Resists water and most chemicals. Applicator furnished with each can. Packed in quart and gallon cans.

Fig. 7290

DUCO CEMENT

A transparent, flexible, waterproof cement which will mend practically everything except rubber. Will dry quickly and permanently. Packed in 1¾ ounce tubes.

Fig. 9111

KANT-RUST PENETRATING LUBRICANT

An excellent graphited oil lubricant. Coats friction surfaces with a smooth, protective film of pure colloidal graphite, free of all abrasives. Removes, prevents and retards rust. Packed in 3 ounce, pint and gallon cans.

Fig. 9112

3-IN-1 MACHINE OIL

A blend of fine oils, scientifically compounded for oiling light mechanism, cleaning and polishing metals. Packed in 1, 3, 8 ounce, and gallon cans.

Fig. 9113

3-IN-1 SPRA-GUN

A blend of fine oils, scientifically compounded for oiling light mechanisms by means of an atomized spray. Can also be used for cleaning and polishing. Packed in 6 ounce pressurized cans.

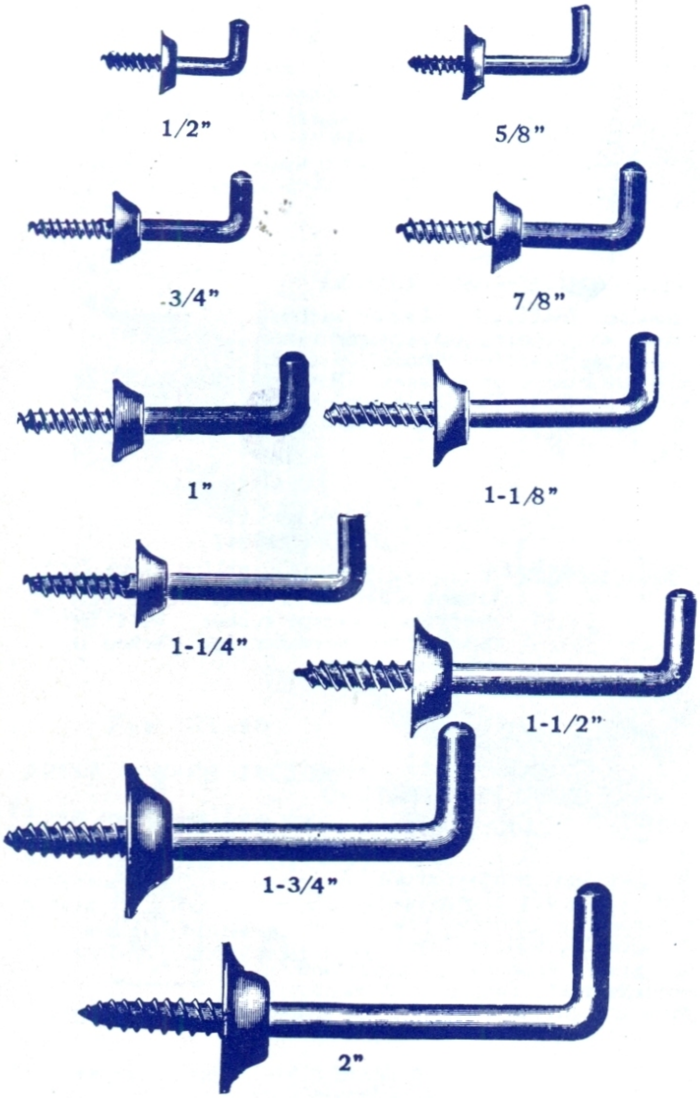


Fig. 2412

BRASS SHOULDER SCREW HOOKS
Illustrations are exact size. Packed 100 per box.

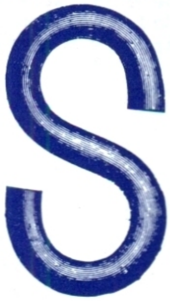
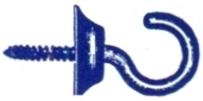


Fig. 271

BLUNT WROUGHT STEEL
"S" HOOK

Made of wrought steel with a plain finish. Packed 50 per box.
Sizes- 1½", 2", 2½" & 3".

Fig. 281 BRASS CUP HOOKS



Made of wrought brass wire. Length is from bottom of the cup to outside of rounded end. Packed 100 per box.

Length, Inches..	1/2	5/8	3/4	7/8	1	1¼	1½

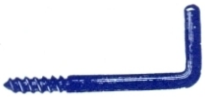


Fig. 114
Length 1
Thread 7/16

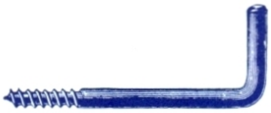


Fig. 112
Length 1-3/8
Thread 5/8

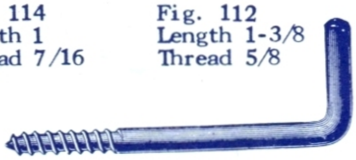


Fig. 110
Length 1-13/16
Thread 3/4

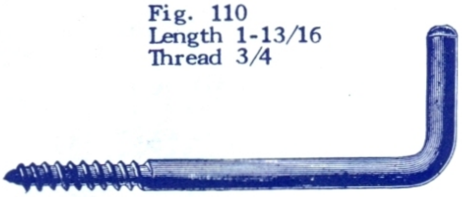


Fig. 108
Length 2-1/4
Thread 7/8

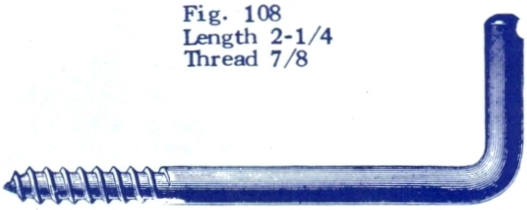


Fig. 106
Length 2-5/8
Thread 1

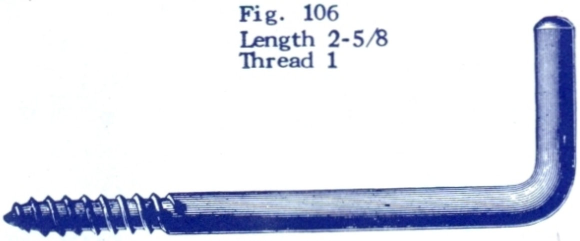


Fig. 104
Length 3-1/16
Thread 1-1/4

BRIGHT STEEL WIRE SCREW HOOKS
Illustrations are exact size. Packed 100 per box.

BRIGHT STEEL WIRE "S" HOOKS

Made of steel wire and plain finished. Packed 100 per box.

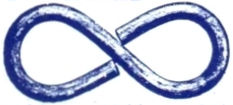
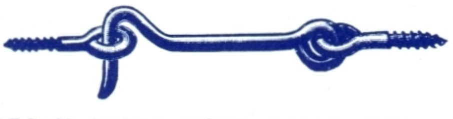


Fig. No..........	2809	2810	2811	2812
Length, Inches...	1	1-1/4	1-5/8	2



BRIGHT STEEL GATE HOOKS AND EYES
Fig. 40

Made of wrought steel with a plain finish. Packed 100 per box.

Sizes, Inches.. 1, 1½, 2, 2½, 3, 3½, 4, 5 & 6.

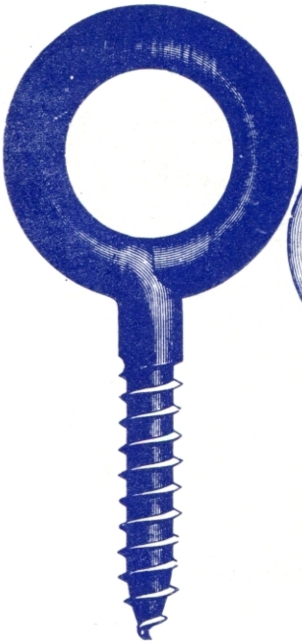


Fig. 00

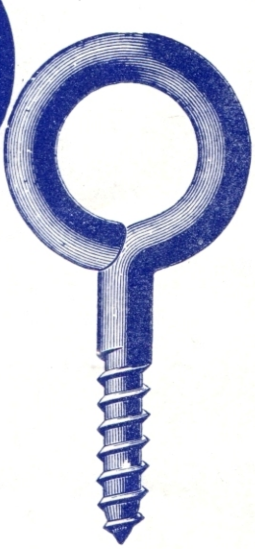


Fig. 0

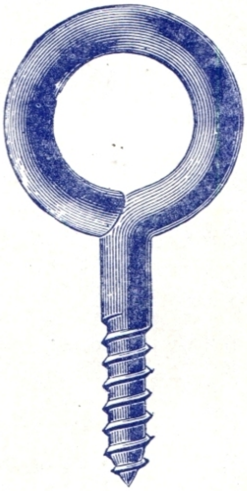


Fig. 2

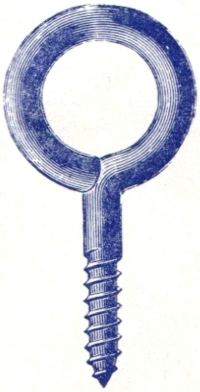


Fig. 4

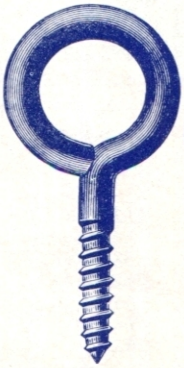


Fig. 6

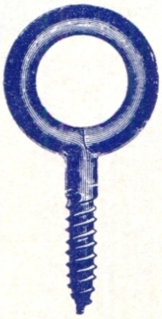


Fig. 8

LARGE EYE PATTERN

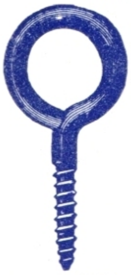


Fig. 10

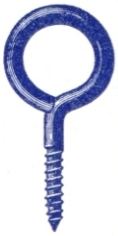


Fig. 12

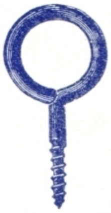


Fig. 14

BRIGHT WIRE SCREW EYES

Illustrations are exact size. Packed 100 per box.

MEDIUM EYE PATTERN

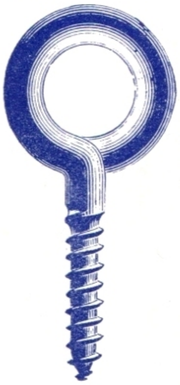


Fig. 104

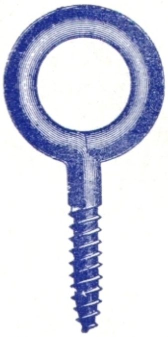


Fig. 106

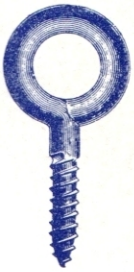


Fig. 108

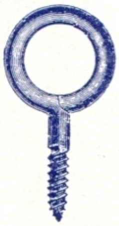


Fig. 110

Fig. 112

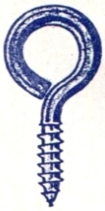
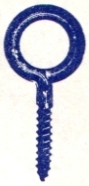


Fig. 114



SHORT SHANK PATTERN

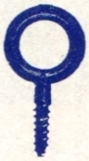


Fig. 114½

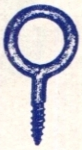


Fig. 115½

SMALL EYE PATTERN

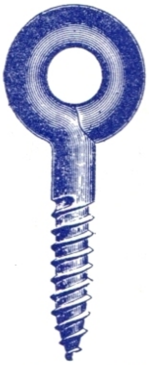


Fig. 204

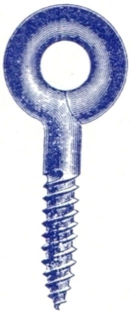


Fig. 206

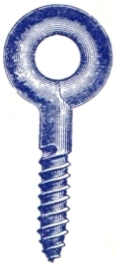


Fig. 208

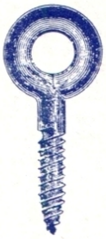


Fig. 210

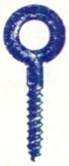


Fig. 212

FIBRE DISCS

3-M
DISCS
120-B

Fig. 222

3M Discs Type A—Grit-Lok 3-M-ite Fibre Combination Aluminum Oxide Mineral Closed Coating.

3M Discs Type B—Cutrite Grit-Lok 3-M-ite Fibre Combination Aluminum Oxide Mineral Open Coating.

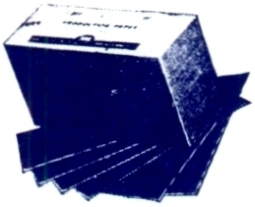
3M Discs Type C—Grit-Lok Resin Heavy Fibre. Aluminum Oxide Mineral Closed Coating

Grit	List Per 100 Discs 7 Inch	List Per 100 Discs 9⅛ Inch	Discs Per Box
80 & Finer	$52.50	$70.00	100
60	55.70	74.40	100
50	58.70	78.10	100
36	62.80	83.60	100
*30	63.50	84.70	100
24	64.10	85.50	100
16	82.50	110.00	100

*Available in 3M Discs Type A Only

PRODUCTION PAPER OPEN COAT
Cut Sheets for Oscillating Machines

Sheets pre-cut to size to fit popular oscillating machines for mechanical sanding in the woodworking and metalworking industries. This material used dry for intermediate sanding preparatory to final finishing.



Aluminum Oxide mineral, Open Coat, "C" and "D" weight paper backing, Gluebond, Electrostatically coated.

Fig. 236

List Price Per 100 Sheets

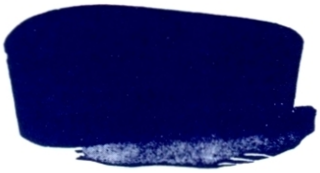
			4/0 3/0 2/0 150C 120C 100C	1/0 80D	1/2 60D	1 50D	1½ 40D
3⅔ x 9		Unit	$3.35	$3.65	$4.20	$4.75	$5.35
		Pkg.	3.50	3.80	4.40	5.00	5.60
	Sheets per	Unit	4000	2000	2000	2000	2000
		Pkg.	400	200	200	200	200
3⅔ x 10¼		Unit	$4.30	$4.70	$5.45	$6.10	$6.95
		Pkg.	4.50	4.90	5.70	6.40	7.30
	Sheets per	Unit	4000	2000	2000	2000	2000
		Pkg.	400	200	200	200	200

For BLACK & DECKER, SKIL, STANLEY and other oscilating sanders

SANDING MACHINE BELTS

Fig. 232

3M GARNET
PRODUCTION
THREE-M-ITE

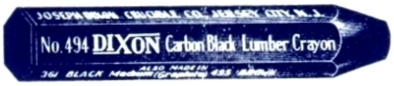


Grit	Belts Per Standard Package	List Per 100 Belts
SIZE 2 INCH X 21 INCH		
2/0 and Finer	50	$58.76
1/0	50	60.02
½	50	61.96
1	50	63.64
1½	50	65.57
2	50	67.75
2½	50	69.94
3	50	72.37
SIZE 2¼ INCH X 21 5/16 INCH		
2/0 and Finer	50	62.66
1/0	50	64.16
½	50	66.45
1	50	68.47
1½	50	70.76
2	50	73.31
2½	50	76.13
3	50	78.68
SIZE 3 INCH X 23¾ OR 24 INCH		
2/0 and Finer	50	74.21
1/0	50	76.42
½	50	80.06
1	50	82.85
1½	50	86.21
2	50	90.05
2½	50	93.98
3	50	97.82
SIZE 3 INCH X 27 INCH		
2/0 and Finer	50	78.98
1/0	50	81.47
½	50	85.57
1	50	88.70
1½	50	92.48
2	50	96.80
2½	50	101.23
3	50	105.55

Larger Sizes Upon Request

Fig. 9315

LUMBER CRAYONS


No. 494 DIXON Carbon Black Lumber Crayon
ALSO MADE IN
361 BLACK

Made in six different colors. Size- 4½x ½ inches. Packed 12 per box.

Colors...Black, Yellow, Red, Blue, Green & White. Specify color when ordering.

FLINT SAND PAPER

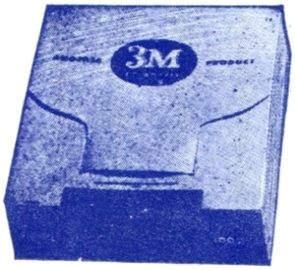


Fig. 224

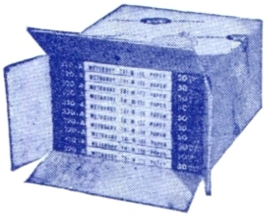
3M IMPERIAL

9″x10″ SHEETS

Grit	Sheets Per Sleeve	Sheets Per Unit Pkg.	Price, Per 100 Sheets
Very Fine	100	1000	**$2.80**
Fine	100	1000	**2.80**
Medium	100	1000	**3.15**
Coarse	50	500	**4.05**
Very Coarse	50	500	**5.15**

GARNET CABINET PAPER

Fig. 223



3M GARNET
OPEN OR CLOSED COAT
9″x11″ SHEETS

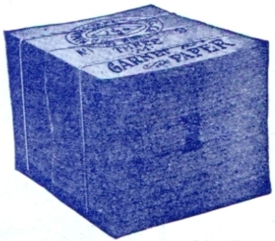
Grit	Sheets Per Std. Pkge.	List Per 100 Sheets
2/0-100 to 4/0-150	1000	**$9.30**
1/0-80	500	**10.40**
½-60	500	**12.00**
1-50	500	**13.70**
1½-40	500	**15.60**
2-36	500	**17.50**
2½-30	500	**19.30**
3-24	500	**21.30**

GARNET FINISHING PAPER

Fig. 227

3M GARNET
OPEN COAT

9″x11″ SHEETS



Grit	Sheets Per Std. Pkge.	List Per 100 Sheets
8/0-280	1000	**$9.30**
7/0-240	1000	**9.30**
6/0-220	1000	**9.30**
5/0-180	1000	**9.30**
4/0-150	1000	**9.30**
3/0-120	1000	**9.30**
2/0-100	1000	**9.30**
1/0- 80	500	**10.40**

WET OR DRY GARNET PAPER

Fig. 228

3M BRAND
9″x11″ SHEETS

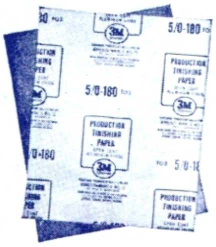
Grit	Sheets Per Std. Pkge.	List Per 100 Sheets
8/0	500	**$6.40**
7/0	500	**6.40**
6/0	500	**6.40**
5/0	500	**6.90**

Grit	Sheets Per Std. Pkge.	List Per 100 Sheets
4/0	500	**$7.90**
3/0	500	**8.70**
2/0	500	**9.50**
1/0	500	**10.60**

PRODUCTION FINISHING PAPER SHEETS

9″x11″—Open Coat

Fig. 234



An excellent coated abrasive sheet used extensively in industry either by hand or oscillating machine for obtaining extremely fine finishes on wood and metal surfaces.

Aluminum Oxide mineral, Open Coat, "A" weight paper backing, Gluebond, Electrostatically coated.

Grit	Sheets per Standard Package	List per 100 Sheets
8/0-280	1000	**$9.30**
7/0	1000	**9.30**
6/0	1000	**9.30**
5/0	1000	**9.30**
4/0	1000	**9.30**
3/0	1000	**9.30**
2/0	1000	**9.30**
1/0	500	**10.40**

PRODUCTION PAPER—"C" AND "D" WEIGHT SHEETS

9″x11″—Closed or Open Coat

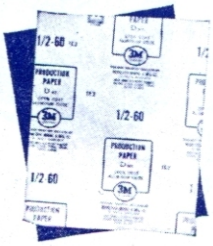


Fig. 233

A coated abrasive sheet used for quick cleanup or deburring operations on metal as well as preparatory sanding on wood surfaces prior to fine finish sanding.

Aluminum Oxide mineral, Closed or Open Coat, "C" and "D" weight paper backing, Gluebond, Electrostatically coated.

Grit	Sheets per Standard Package	List per 100 Sheets
4/0-150 to 2/0-100	1000	**$9.30**
1/0-80	500	**10.40**
½-60	500	**12.00**
1 -50	500	**13.70**
1½-40	500	**15.60**
2 -36	500	**17.50**
2½-30	500	**19.30**
3 -24	500	**21.30**

EMERY CLOTH

CRYSTAL BAY BRAND
9″x11″ SHEETS

Fig. 226

CRYSTAL BAY
EMERY CLOTH
MINNESOTA MINING & MFG. CO.
3M
ST. PAUL, MINN.

Grit	Sheets Per Std. Pkg.	List Per 100 Sheets
2/0 & Finer	500	$12.50
1/0	500	12.50
½	500	13.00
1	500	13.60
1½	500	14.20
2	250	15.20
2½	250	16.40
3	250	17.70

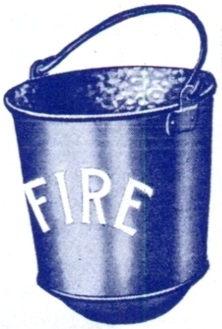


Fig. 612

GALVANIZED FIRE PAIL

Painted red with a round bottom. Packed individually.

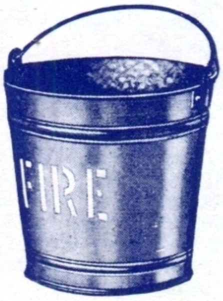
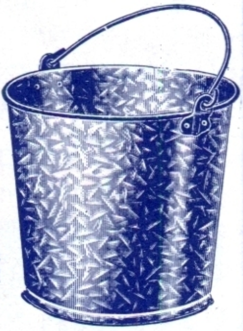


Fig. 613

GALVANIZED FIRE PAIL

Painted red with a flat bottom. Packed individually.



GALVANIZED WATER PAILS

Made of a heavy sheet steel with a hot galvanized coating. A good grade pail which will not leak. Packed individually.

Fig. No.......	1012	1312	1314	1316
Cap.,Quarts...	10	12	14	16

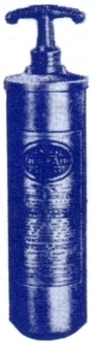


Fig. 8601

FIRE EXTINGUISHER

1 Quart vaporizing liquid type with standard mounting bracket. Underwriters' rating is B-3 and C-2.

Fig. 8611

FIRE EXTINGUISHER REFILL

(not shown)

Contains 1 gallon of Carbontetrachloride with an inhibitor to prevent excess corrosion within the extinguisher. Packed individually.

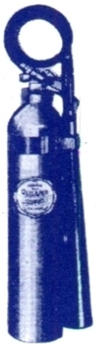


Fig. 8603

FIRE EXTINGUISHER

A hydrostatically tested steel shell containing a stipulated amount of CO_2. Sizes: 2½, 5 & 10 Pound. Underwriters' rating is B-1 and C-1.

This extinguisher must be returned for recharging.

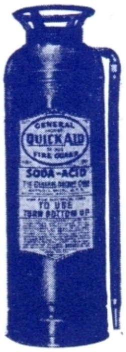


Fig. 8602

FIRE EXTINGUISHER

A 2½ Gallon Soda & Acid type with standard mounting bracket. Underwriters' rating is A-1

Fig. 8612

FIRE EXTINGUISHER REFILL

(not shown)

Contains the correct quantity of both soda and acid to refill one extinguisher. Packed individually.

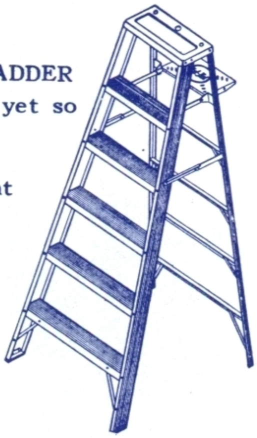
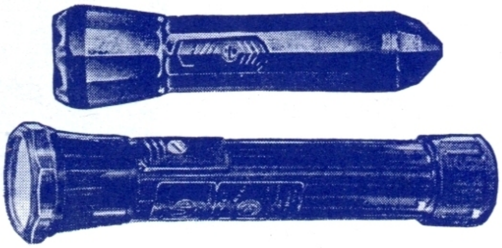


Fig. 5003

MAGNESIUM STEPLADDER

Attractive, durable, yet so light in weight.

Size	Height in Ft.	Weight Lbs.
3	3	8
4	4	9
5	5	10
6	6	12
8	8	16
10	10	21



BRIGHT STAR FLASHLIGHTS

Fig. No...	1900	1618	1625
No. Cells..	2	2	3
Type	Plastic. Reg.	Unbreakable	

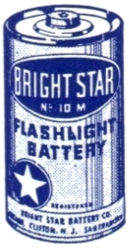


Fig. 10-M

BRIGHT STAR BATTERIES

For use with all standard flashlight cases Packed 24 in a box.

Fig. 9117

QUICKEE WATERLESS HAND CLEANER

QUICKEE
WATERLESS
HAND
CLEANER

Made in 13 ounce cans. Contains lanolin and is soothing to the hands. Packed 12 cans in a carton.

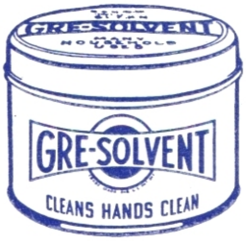

GRE-SOLVENT
GRE-SOLVENT
CLEANS HANDS CLEAN

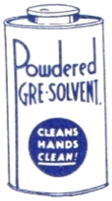
Fig. 9115

GRESOLVENT HAND CLEANER

Made in 1 & 3 pound cans. 1 pound cans packed 12 in a carton, 5 pound cans are packed individually.

Fig. 9114

POWDERED GRESOLVENT


Powdered
GRE-SOLVENT
CLEANS HANDS CLEAN!

Made in 12 ounce sifter cans. Packed 12 cans in a carton.

Fig. 8324

PLASTIC WOOD

NATURAL
PLASTIC
WOOD

A compound that handles like putty, and hardens to wood on exposure to air. After hardening, it has all the characteristics of wood, except a grain. Can be sawed, planed, filed and turned in a lathe. It will hold screws and nails without splitting. Can be varnished or painted. Made in natural wood colors: Natural, oak, walnut, light mahogany, dark mahogany, cedar, ebony and whitewood. Packed in ¼, 1, 5 & 25 pound cans.

Fig. 8325

PLASTIC WOOD SOLVENT

PLASTIC
WOOD
SOLVENT

For softening plastic wood which has hardened from evaporation. Can also be used for cleaning plastic wood from tools and hands. Packed in 3 ounce & 1 quart cans.

Fig. 8056

SLIPIT COMPOUND

SLIPIT
SLIDING
COMPOUND

A jelly-like compound which leaves an exceptional long lasting slippery film resulting in a surprisingly smooth action, not attained by other lubricants. Never becomes gummy or sticky and is harmless to use. Packed in quarts & gallon cans.

KRYLON
CRYSTAL
CLEAR
SPRAY COATING
DRIES IN MINUTES

KRYLON ACRYLIC SPRAYS

Packed in 16.2 ounce pressurized spray cans. Packed 12 cans in a carton.

Fig. No.	1301	1401	1501
Colors	Crystal Clear	Bright Aluminum	Touch-Up White

Fig. No.	1602	1603	1701	1601
Colors	Flat Black	Machine Gray	Bright Gold	Glossy Black

Fig. 8502

ILB SPRAY PAINTS

(not shown)

Packed in 15 ounce pressurized cans, 12 cans in a carton. Colors: Brass and Copper

GALVANIZED RUBBISH CANS

A heavy wrought steel can with a hot galvanized coating. Will not leak. Packed as ordered.

Fig. No.	720	730
Cap., Gals.	20	30

Fig. 8422

BLACK NYLON FISHLINE

A strong 40 pound test black line used wherever it is necessary to conceal the same from the audience's view. Cannot be seen when used with a dark backdrop. Packed 2 rolls in a carton, each roll is 50 yards.

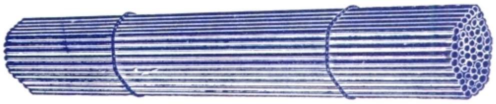


Fig. 9555

WOOD DOWELS

Made of selected seasoned birch. Smooth sanded finish. Length, 36 inches.

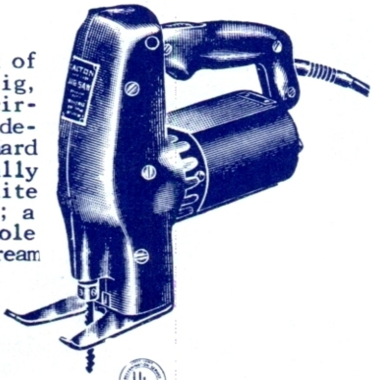
Dia., In.	3/16	¼	5/16	⅜	7/16
In a bundle.	100	100	100	100	100

Dia., In.	½	⅝	¾	1
In a bundle.	50	50	25	25

Fig. D-500

DALTON JIG SAW

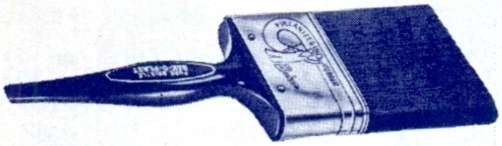
Seven saws in one. Does the work of a rip, crosscut, coping, scroll, jig, band and keyhole saws. It cuts circles, straight lines, intricate designs in wood, plastics, metals, hard board and others. Has a specially built chrome plated motor; oilite bearings, hardened steel gears; a rugged switch; can make its own hole for starting inside cuts; air stream blows sawdust from guide lines. Packed 1 in a box.



DALTON JIG SAW BLADES

Made to be used with Fig. D-500 saw. Packed 5 blades to the package.

Fig. No.	401	402	404
Usage	Coarse Wood	Fine Wood	Metal Cutting



BAKER PAINT BRUSHES

Professional Quality

WALL

Pure Bristle

Fig. No.	Size Width	Thickness	Length Out
W-4280	3"	1"	3-3/8"
	3½"	1"	3-5/8"
	4"	1"	3-7/8"
W-4288	4"	1-1/8"	4-7/8"
	4½"	1-1/8"	5-1/8"
	5"	1-1/8"	5-1/8"
W-4297	5"	1-1/4"	5-3/4"
	SASH		
S-2007	1"	5/16"	2-3/8"
	1½"	3/8"	2-5/8"
	2"	7/16"	2-5/8"
	2½"	7/16"	2-7/8
S-2012	1"	7/16"	2-3/8"
	1½"	1/2"	2-5/8"
	2"	9/16"	2-7/8"
	2½"	5/8"	3-1/8"
	3"	5/8"	3-3/8"
	VARNISH		
V-2047	2"	11/16"	3-1/8"
	2½"	3/4"	3-3/8"
	3"	13/16"	3-5/8"
	3½"	13/16"	3-7/8"

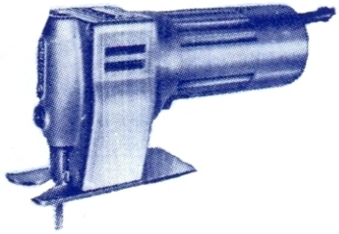


Fig. GEB-11

LESTO ELECTRIC HAND SAW

A precision heavy-duty electric hand saw. Made of the highest quality materials and famous Swiss Craftmanship. Ideal for many types of intricate pattern cutting. Makes inside holes without tne necessity of any starting hole. Ball & Roller Bearings for all moving parts. Extremely light in weight. Packed 1 in a box.

LESTO ELECTRIC HAND SAW BLADES

Made for use with the GEB-11 saw. Packed 5 blades per box.

Fig. No.	T-1-C	T-1-D	T-11-C	T-11-D	T-18-B
Usage	Fine Wood	Course Wood	Fine Wood	Course Wood	Metal Cutting
Type Cut	Smooth	Smooth	Rough	Rough	Smooth
Sawset	No	No	Yes	Yes	Yes

We carry a complete line of the following tool manufacturers;

STANLEY HAND TOOLS
STANLEY ELECTRIC TOOLS
SKIL ELECTRIC TOOLS
KRAEUTER PLIERS & SNIPS
RIDGID PIPE TOOLS
DISSTON TOOLS
L. S. STARRETT TOOLS
MANY OTHERS

Write us your requirements.

Catalogs available upon request.

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